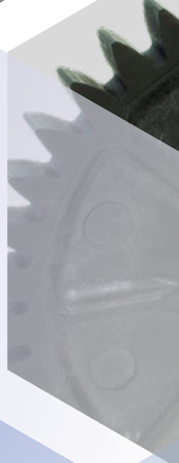
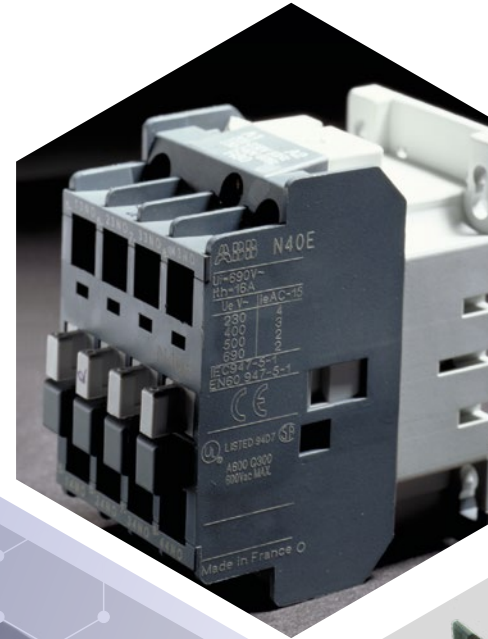




**HIGH  
PERFORMANCE  
THERMOPLASTICS**



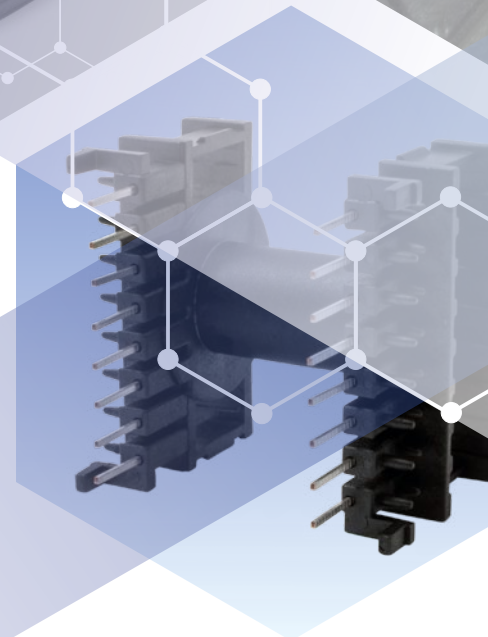
# PRODUCTS GUIDE

## Engineering thermoplastics

### Flame retardant

### High performance

LATI Industria Termoplastici S.p.A.  
Via F. Baracca, 7 - 21040 VEDANO OLONA (VA) Italy  
Tel. +39-0332 409111 - Fax +39-0332 409307  
<http://www.lati.com> - email: [marketing@it.lati.com](mailto:marketing@it.lati.com)





**Products guide**

# **Engineering Thermoplastics**

## **Flame Retardant**

## **High Performance**













Visit:  
<https://iq2.ulprospector.com/session/new>  
for LATI's UL certified product



**FEATURES**

Physical	Testing conditions	Norms	Units (SI)
Density	23°C	ISO 1183	g/cm <sup>3</sup>
Linear shrinkage at moulding* 2 mm thickness - packing pressure: 60MPa	longitudinal transversal	ISO 294-4	%
<b>Moisture absorption</b>	50% RH - 24h	ISO 62-4	%
Mechanical			
Notched CHARPY (sample 80 x 10 x 4 mm)	23°C -20°C	ISO 179-1eA	kJ/m <sup>2</sup>
Unnotched CHARPY (sample 80 x 10 x 4 mm)	23°C -20°C	ISO 179-1eU	kJ/m <sup>2</sup>
Tensile elastic modulus	23°C 60°C 90°C 120°C 150°C	ISO R 527 (1)	MPa
Tensile strength (at yield)	23°C 60°C 90°C 120°C 150°C	ISO 527 (1)	MPa
Tensile strength (at break)	23°C 60°C 90°C 120°C 150°C	ISO 527 (1)	MPa
Tensile elongation (at yield)	23°C 60°C 90°C 120°C 150°C	ISO 527 (1)	%
Tensile elongation (at break)	23°C 60°C 90°C 120°C 150°C	ISO 527 (1)	%
Thermal			
Coefficient of linear thermal expansion	20°C + 100°C	ISO 11359-2	x10 <sup>-6</sup> /°C
Continuous Use Temperature (CUT)	continuous 20.000h	LATI	°C
Vicat - Softening point	49 N - 50°C/h	ISO 306	°C
HDT – Heat Deflection Temperature	0.45 MPa 1.82 MPa	ISO 75	°C
Electrical			
Electrical resistivity (surface)		ASTM D 257	ohm
CTI - Comparative Tracking Index		IEC 112	V
Processing conditions			
Pre-drying temperature	(at least 3 hours...)		°C
Melt temperature			°C
Mould Temperature			°C
LATI's UL approvals			

**Features**

-  Low smoke density and low toxicity index
-  Low thermal expansion coefficient
-  Electrically conductive
-  High stiffness
-  Halogen free
-  Red phosphorous free
-  PBB/PBDE free
-  Very good aesthetics
-  Very good impact resistance
-  Very good chemical resistance
-  Very high dimensional stability
-  Very good thermal properties
-  Tribological properties
-  LATI's UL certified product

# ENGINEERING THERMOPLASTICS

## AMORPHOUS

ABS		SAN	PC					PPOm		PUR		ABS/PC	
LASTILAC SP G/17	LASTILAC RT K/10	LASTIL G/30	LATILON 28D	LATILON 28D G/20	LATILON 28D G/30	LATILON 28D K/20	LATILON 28D K/40	LARIL 13 G/20	LARIL 13 G/30	LASTANE 50	LASTANE 50 G/25	LASTILAC 10	LASTILAC 11 G/10
1.18	1.10	1.31	1.20	1.33	1.44	1.28	1.35	1.21	1.29	1.24	1.42	1.12	1.19
0.30 ÷ 0.50	0.25 ÷ 0.40	0.15 ÷ 0.30	0.70 ÷ 0.90	0.20 ÷ 0.40	0.15 ÷ 0.35	0.10 ÷ 0.20	0.05 ÷ 0.15	0.40 ÷ 0.65	0.35 ÷ 0.60	0.50 ÷ 0.70	0.25 ÷ 0.40	0.55 ÷ 0.75	0.45 ÷ 0.65
0.45 ÷ 0.65	0.50 ÷ 0.80	0.25 ÷ 0.45	0.70 ÷ 0.90	0.40 ÷ 0.60	0.35 ÷ 0.55	0.20 ÷ 0.35	0.15 ÷ 0.30	0.50 ÷ 0.70	0.45 ÷ 0.65	0.50 ÷ 0.70	0.35 ÷ 0.50	0.55 ÷ 0.75	0.50 ÷ 0.70
0.03	0.03	0.08	0.05	0.04	0.03	0.04	0.03	0.04	0.03	0.25	0.20	0.04	0.04
2	4.5	2.5	10	10	7.5	8	5	6	7	NR	50	65	15
	3	3	8					5	6				12
15	10	12	NR	40	20	30	10	25	25	NR	NR	NR	25
	10	10	NR					25	25				35
5800	8300	9600	2400	5500	8000	12000	23000	6300	7800	250	1600	2500	3900
5300	7500	8000	2100	5000	7500	11500	21900	6300	6900			2200	3600
4100	6000	6000	1800	4700	7000	10500	20700	5800	6000			1900	3300
			1600	4300	6400	9400	19500	4200	4300				1300
	-	-	60					-	-	35	25	60	-
	-	-	50					60	-			50	50
	30	35	40					47	-			25	30
			30					30	40				15
75	60	80	NR	100	110	130	135	80	95	NR	45	55	60
60	45	60	NR	85	95	110	115	60	75			45	50
35	30	25	NR	70	80	90	100	45	60			20	23
			NR	55	60	65	75	25	40				5
	-	-	6					-	-	>100	35	5	-
	-	-	4.5					2	-			4	2
	0.6	1.2	3.5					1.8	-			6	2
			2.5					1.7	2				2
2.9	0.7	2	>100	3	2.1	1.6	1.3	2.5	2	>100	50	40	2.5
3.3	0.7	2	>100	2.9	1.9	1.6	1.3	2.5	2.2			45	3
5.5	0.7	2.5	>100	2.5	1.6	1.6	1.3	2.5	2.2			55	6
			>100	2.1	1.5	1.7	1.4	4	2.8				70
35	20	30	75	35	25	10	5	30	25	200	50	75	45
75	75	95	120	130	135	135	135	120	120			75	115
100	105	110	135	145	145	145	145	140	140			110	130
100	105	110	125	140	140	140	145	135	140	50	165	110	130
95	105	100	120	135	135	135	140	125	130			105	115
	1E3												
500		600			150			225	225		600	250	350
70 ÷ 80	70 ÷ 80	70 ÷ 80	120 ÷ 130	120 ÷ 130	120 ÷ 130	120 ÷ 130	120 ÷ 130	100 ÷ 110	100 ÷ 110	80 ÷ 90	80 ÷ 90	80 ÷ 100	80 ÷ 100
220 ÷ 260	220 ÷ 260	220 ÷ 260	270 ÷ 290	280 ÷ 300	270 ÷ 290	280 ÷ 300	280 ÷ 300	270 ÷ 300	270 ÷ 300	200 ÷ 220	200 ÷ 220	230 ÷ 250	240 ÷ 260
50 ÷ 70	50 ÷ 70	50 ÷ 70	100 ÷ 120	100 ÷ 120	100 ÷ 120	100 ÷ 120	100 ÷ 120	80 ÷ 90	80 ÷ 90	20 ÷ 40	20 ÷ 40	50 ÷ 70	50 ÷ 70

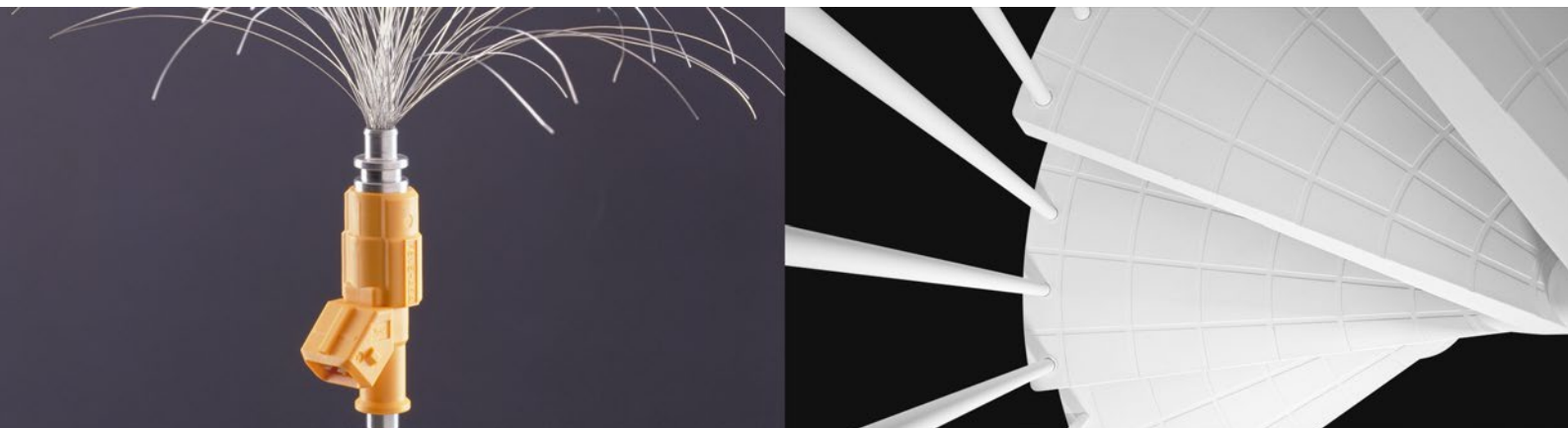
<b>AF</b>	PBB/PBDE and Sb <sub>2</sub> O <sub>3</sub> free	<b>H, H2, VH2</b>	Heat stabilisation
<b>AG</b>	Chemically coupled	<b>HF</b>	Halogen free
<b>B</b>	Low viscosity	<b>K</b>	Carbon fibre
<b>C</b>	High viscosity	<b>KB, KB1</b>	Red phosphorous
<b>CE, CER, CET, KC, MX, TR, T, TES</b>	Mineral filler	<b>KB3</b>	Red phosphorous, suitable for warm & humid environments
<b>CP</b>	Special mineral filler	<b>KB4</b>	Red Phosphorous, improved CTI
<b>CT1</b>	Improved CTI	<b>L</b>	Oil stabilisation
<b>CT2</b>	Improved CTI, PBB/PBDE free	<b>S</b>	Glass beads
<b>CT3</b>	Improved CTI, halogen and red phosphorous free	<b>UV</b>	UV stabilisation
<b>CT4</b>	Improved CTI, low smoke density and low toxicity index	<b>V</b>	Flame retardant
<b>E, PX</b>	Improved impact resistance	<b>VH</b>	Glycol and hydrolisis stabilisation
<b>FE</b>	Magnetizable filler	<b>W</b>	Stabilisation for metal contact
<b>G</b>	Glass fibres	<b>V0E</b>	PBB/PBDE free

# ENGINEERING THERMOPLASTICS

## SEMICRYSTALLINE

PPh							PPc		POM				
LATENE 22H2 MX/25	LATENE 7H2W TR/40	LATENE 9H TES/30	LATENE AG7H G/30	LATENE AG7H K/30	LATENE AG7H2 G/50	LATENE AG9H MI/40	LATENE EP 22UVH2 MX/25	LATENE EP7 TES/30	LATAN 9	LATAN 13 G/30	LATAN 13 K/30	LATAN 13 S/15	LATAN 13 S/20
1.11	1.23	1.14	1.12	1.06	1.32	1.22	1.13	1.14	1.41	1.61	1.50	1.48	1.53
1.10 ÷ 1.40	0.90 ÷ 1.10	1.05 ÷ 1.35	0.30 ÷ 0.70	0.20 ÷ 0.50	0.25 ÷ 0.50	0.80 ÷ 1.05	1.10 ÷ 1.40	1.00 ÷ 1.30	2.00 ÷ 2.30	0.45 ÷ 0.70	0.30 ÷ 0.55	1.95 ÷ 2.25	1.85 ÷ 2.15
1.15 ÷ 1.45	0.85 ÷ 1.05	1.10 ÷ 1.40	0.40 ÷ 0.80	0.75 ÷ 1.05	0.75 ÷ 1.05	0.80 ÷ 1.10	1.15 ÷ 1.45	1.05 ÷ 1.35	2.05 ÷ 2.25	1.10 ÷ 1.40	1.00 ÷ 1.30	1.95 ÷ 2.20	1.85 ÷ 2.10
0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.12	0.08	0.08	0.11	0.10
3.5	2	2	10	4	5	1.5	10	2	7	5	2.5	5	2
1		0.7			4	1		0.3	5	2			
65	20	30	65	5	20	10	100	30	NR	25	15	20	40
15		15			18	8		15	NR	15			
2600	4200	2700	6300	15000	10000	4200	2500	2600	2600	8200	18500	3000	3100
1100	1900	1200	4500	11000	8200	2500	1000	1100	1400	6500	14500	2000	2000
650	1000	650	3300	7900	5300	1200	500	500	900	4600	10000	1200	1200
25	25	25			-	25	25	25	60			50	45
20	10	15			65	15	20	15	45			35	30
10	8	10			40	10	10	10	30			25	25
18	25	20	80	55	105	25	NR	15	60	100	120	45	45
NR	13	10	55	35	65	15	NR	NR	NR	85	100	30	30
NR	NR	NR	40	25	40	5	NR	NR	NR	55	65	NR	NR
6	2.5	4			-	2	8	3	10			8	8
8.5	3.4	5			2.7	3	10	5	-			8	8
9	4.6	6			4.2	3.5	-	6	-			9	8
>100	3	30	3	0.9	2.5	3	>100	35	50	3	0.9	15	15
>100	35	70	3.5	1.3	3.4	5	>100	>100	>100	4	1.1	75	70
>100	>100	>100	6	2.3	5.8	20	>100	>100	>100	5.8	1.2	>100	>100
95	60	90	40	12	25	140	100	50	85	25	7	80	80
120	75	120	120	125	125	120	110	70	75	85	85	80	80
95	100	100	135	160	140	110	80	70	150	150	165	150	150
105	135	125	155	160	160	125	105	125	155	165	170	160	160
55	90	65	135	140	140	100	55	65	115	160	160	110	115
600							400		600	600		600	600
80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90
200 ÷ 240	200 ÷ 240	200 ÷ 240	200 ÷ 240	200 ÷ 240	200 ÷ 240	200 ÷ 240	200 ÷ 240	200 ÷ 240	175 ÷ 200	180 ÷ 210	180 ÷ 210	180 ÷ 210	180 ÷ 210
40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60	40 ÷ 60	70 ÷ 90	80 ÷ 100	80 ÷ 100	80 ÷ 100	80 ÷ 100

\* Values obtained according to ISO norm at the specified pressure. Actual shrinkage values may differ because of the design.



# ENGINEERING THERMOPLASTICS

## SEMICRYSTALLINE

POM						PBT					PA6	
LATAN 13 S/30	LATAN 13E71	LATAN 2	LATAN 23UV	LATAN 23UVE71	LATAN 3E71	LATER 4	LATER 4E61	LATER 4 G/20	LATER 4 G/30	LATER 4 G/50	LATAMID 6 BH	LATAMID 6 E02
1.60	1.34	1.41	1.42	1.35	1.36	1.32	1.26	1.45	1.52	1.74	1.13	1.06
1.70 ÷ 2.00	2.30 ÷ 2.70	2.00 ÷ 2.30	1.95 ÷ 2.30	2.25 ÷ 2.65	2.30 ÷ 2.70	1.70 ÷ 2.00	1.80 ÷ 2.10	0.50 ÷ 0.75	0.30 ÷ 0.55	0.25 ÷ 0.40	1.05 ÷ 1.35	1.15 ÷ 1.45
1.70 ÷ 1.95	2.35 ÷ 2.75	2.05 ÷ 2.25	2.00 ÷ 2.25	2.25 ÷ 2.65	2.35 ÷ 2.75	1.70 ÷ 2.00	1.80 ÷ 2.05	1.20 ÷ 1.50	1.00 ÷ 1.30	0.70 ÷ 0.90	1.15 ÷ 1.40	1.25 ÷ 1.50
0.09	0.14	0.12	0.12	0.14	0.14	0.07	0.09	0.06	0.05	0.04	0.37	0.40
1.5	10	8	6	10	12	5.5	15	6	8	9	6	100
2							10		8	8	5	
35	NR	NR	NR	NR	NR	NR	NR	50	55	45	NR	NR
38							NR		55	40	NR	NR
3600	1600	2600	2700	2700	1900	2400	1900	6400	9500	17000	2800	2000
2300	1000	1500	1600	1400	1100	900	600	5000	7900	10000	550	450
1300	600	1000	1100	800	650	650	300	4000	6800	7700	350	320
						400	180	2800	5000	6700	315	200
								1600	3900	5500	300	150
35	35	60	60	45	35	50	40				85	50
25	25	45	45	30	25	-	-				-	-
20	15	30	30	20	15	-	-				-	-
						-	-				-	-
35	35	55	50	40	35	NR	NR	105	135	170	85	NR
25	NR	NR	NR	NR	NR	NR	NR	75	95	125	NR	NR
NR	NR	NR	NR	NR	NR	NR	NR	60	85	105	NR	NR
						NR	NR	40	65	90	NR	NR
								35	55	80	NR	NR
5.5	-	10	10	-	-	6	7				3.5	5
6	-	-	-	-	-	-	-				-	-
6.5	-	-	-	-	-	-	-				-	-
						-	-				-	-
20	100	80	40	90	>100	>100	>100	3	2.5	2	30	>100
65	>100	>100	>100	>100	>100	>100	>100	3.6	3	2.2	>100	>100
>100	>100	>100	>100	>100	>100	>100	>100	4.3	3.6	2.4	>100	>100
								5	4.2	2.7	>100	>100
								5.7	5	3	>100	>100
75	100	80	95	105	100	160	170	60	40	20	150	175
80	65	75	75	65	70	120	115	130	135	140	85	55
150	125	150	150	130	125	170	140	205	215	215	200	175
160	145	155	150	145	145	165	115	215	220	225	140	140
115	65	110	90	75	75	55	50	200	210	215	55	50
600		600			600							
80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	110 ÷ 130	110 ÷ 130	110 ÷ 130	110 ÷ 130	110 ÷ 130	90 ÷ 100	90 ÷ 100
180 ÷ 210	175 ÷ 200	175 ÷ 200	175 ÷ 200	175 ÷ 200	175 ÷ 200	230 ÷ 245	230 ÷ 245	240 ÷ 250	240 ÷ 250	240 ÷ 260	230 ÷ 250	230 ÷ 250
80 ÷ 100	60 ÷ 90	70 ÷ 90	70 ÷ 90	60 ÷ 90	60 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	60 ÷ 70

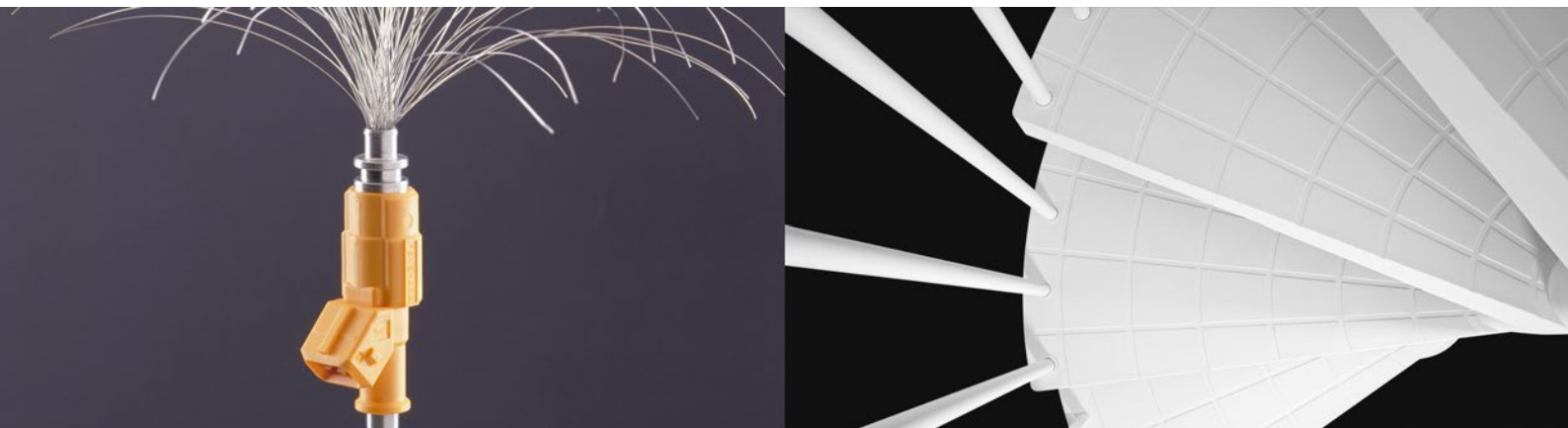
<b>AF</b>	PBB/PBDE and Sb <sub>2</sub> O <sub>3</sub> free	<b>H, H2, VH2</b>	Heat stabilisation
<b>AG</b>	Chemically coupled	<b>HF</b>	Halogen free
<b>B</b>	Low viscosity	<b>K</b>	Carbon fibre
<b>C</b>	High viscosity	<b>KB, KB1</b>	Red phosphorous
<b>CE, CER, CET, KC, MX, TR, T, TES</b>	Mineral filler	<b>KB3</b>	Red phosphorous, suitable for warm & humid environments
<b>CP</b>	Special mineral filler	<b>KB4</b>	Red Phosphorous, improved CTI
<b>CT1</b>	Improved CTI	<b>L</b>	Oil stabilisation
<b>CT2</b>	Improved CTI, PBB/PBDE free	<b>S</b>	Glass beads
<b>CT3</b>	Improved CTI, halogen and red phosphorous free	<b>UV</b>	UV stabilisation
<b>CT4</b>	Improved CTI, low smoke density and low toxicity index	<b>V</b>	Flame retardant
<b>E, PX</b>	Improved impact resistance	<b>VH</b>	Glycol and hydrolisis stabilisation
<b>FE</b>	Magnetizable filler	<b>W</b>	Stabilisation for metal contact
<b>G</b>	Glass fibres	<b>VOE</b>	PBB/PBDE free

# ENGINEERING THERMOPLASTICS

## SEMICRYSTALLINE

PA6										PA66			
LATAMID 6 H2 G/30	LATAMID 6 H2 G/35	LATAMID 6 CUVHPX10 G/35	LATAMID 6 H2 G/50	LATAMID 6 H2 G/65	LATAMID 6 H2E04 G/30	LATAMID 6 S/30	KELON B H CER/30	KELON B H CET/30	KELON B H CETG/300	LATAMID 66	LATAMID 66 E21	LATAMID 66 E21 G/15	LATAMID 66 E21 G/30
1.35	1.41	1.36	1.56	1.74	1.33	1.34	1.36	1.38	1.37	1.14	1.07	1.18	1.30
0.30 ÷ 0.50	0.30 ÷ 0.50	0.35 ÷ 0.60	0.25 ÷ 0.45	0.10 ÷ 0.25	0.25 ÷ 0.50	0.90 ÷ 1.20	1.00 ÷ 1.25	0.35 ÷ 0.60	0.35 ÷ 0.55	1.20 ÷ 1.50	1.30 ÷ 1.65	0.50 ÷ 0.80	0.45 ÷ 0.75
0.60 ÷ 0.80	0.60 ÷ 0.80	0.70 ÷ 0.95	0.50 ÷ 0.70	0.30 ÷ 0.45	0.55 ÷ 0.75	1.00 ÷ 1.25	1.05 ÷ 1.35	0.40 ÷ 0.65	0.45 ÷ 0.70	1.25 ÷ 1.55	1.30 ÷ 1.60	1.00 ÷ 1.30	0.90 ÷ 1.20
0.32	0.31	0.34	0.28	0.26	0.33	0.32	0.32	0.32	0.32	0.30	0.33	0.31	0.30
10	10	9.5 6.5	15	12	80	3	7	3	4	4 3	100 20	20 15	15 10
75	75	60 63	85	60	NR	25	30	35	30	NR NR	NR NR	75 80	65 75
8800	10500	9300	15500	20000	8300	4200	4900	6500	8600	3100	1900	4200	8000
7100	8500	6100	12500	15500	6700	2000	3000	4200	6300	1900	850	3000	5700
4700	5800	4600	8500	9500	4400	1100	1900	2200	3000	650	650	2200	4100
3800	4600	3600	6900	7800	3600	700	1600	1700	2200	500	500	1700	3100
3100	3700	3200	6000	6500	2900	580	1100	1500	1700	350	400	1500	2800
		155			-	-				90	45	95	-
		105			120	50				-	-	70	85
		80			95	35				-	-	55	70
		65			80	25				-	-	45	55
		55			70	20				-	-	35	45
160	175	155	215	200	150	70	80	70	80	95	NR	90	120
125	130	105	160	145	115	45	45	55	60	NR	NR	65	85
95	100	80	130	115	90	35	35	30	35	NR	NR	45	65
80	90	65	115	105	75	25	25	25	30	NR	NR	35	55
70	80	55	100	95	65	20	20	20	25	NR	NR	30	45
		3			-	-				4	5	3	-
		5			4.6	8				-	-	4.8	4
		5.8			6.1	12				-	-	6.1	5.5
		6			6.8	12				-	-	6.6	6
		6			7.6	14				-	-	6.9	6
3	3	3	2.5	2.2	3.5	4	3.5	2.5	2.5	30	>100	5	3.5
4	3.8	5.5	3	2.7	4.8	10	4.5	3.8	3.2	>100	>100	7.2	5
5.3	5	6	3.8	3.5	6.4	15	10	8.5	7	>100	>100	8.6	6
5.8	5.5	6.5	4.2	3.8	6.9	20	20	18	15	>100	>100	9.3	6.5
6.5	6	7	4.5	4.0	8	35	35	30	25	>100	>100	9.5	6.5
20	40	35	25	20	40	105	85	25	20	140	160	75	40
130	130	100	130	130	100	90	125	125	130	90	90	90	100
210	215	215	220	215	215	205	210	200	205	240	200	230	245
220	220	220	225	215	220	195	200	210	215	220	145	255	260
200	205	200	215	205	205	85	85	155	185	75	55	230	240
		600											
90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100
240 ÷ 280	240 ÷ 270	230 ÷ 260	240 ÷ 280	240 ÷ 280	240 ÷ 260	240 ÷ 260	240 ÷ 270	240 ÷ 290	240 ÷ 290	260 ÷ 290	260 ÷ 290	260 ÷ 290	260 ÷ 290
80 ÷ 100	80 ÷ 100	70 ÷ 90	80 ÷ 100	80 ÷ 100	60 ÷ 80	70 ÷ 100	80 ÷ 100	80 ÷ 100	80 ÷ 100	70 ÷ 90	60 ÷ 80	60 ÷ 80	60 ÷ 80

\* Values obtained according to ISO norm at the specified pressure. Actual shrinkage values may differ because of the design.



# ENGINEERING THERMOPLASTICS

## SEMICRYSTALLINE

### PA66

LATAMID 66 E21 K/30	LATAMID 66 H2 G/25	LATAMID 66 H2 G/30	LATAMID 66 H2 G/35	LATAMID 66 H2 G/50	LATAMID 66 H2 G/60	LATAMID 66 H2 K/20	LATAMID 66 H2 K/30	LATAMID 66 H2 K/40	LATAMID 66 H2 K/50	LATAMID 66 S/30	LATAMID 66 H2E21 G/13	LATAMID 66 LH2 G/35	LATAMID 66 VH G/30
1.20	1.32	1.36	1.41	1.56	1.69	1.23	1.28	1.32	1.38	1.34	1.20	1.41	1.36
0.25 ÷ 0.45	0.40 ÷ 0.70	0.35 ÷ 0.65	0.35 ÷ 0.60	0.30 ÷ 0.60	0.25 ÷ 0.55	0.20 ÷ 0.40	0.15 ÷ 0.35	0.15 ÷ 0.35	0.10 ÷ 0.30	0.90 ÷ 1.20	0.55 ÷ 0.85	0.35 ÷ 0.65	0.35 ÷ 0.65
0.65 ÷ 0.95	0.85 ÷ 1.15	0.75 ÷ 1.05	0.75 ÷ 1.05	0.65 ÷ 0.95	0.60 ÷ 0.90	0.65 ÷ 0.95	0.55 ÷ 0.85	0.45 ÷ 0.70	0.35 ÷ 0.55	0.90 ÷ 1.20	1.05 ÷ 1.35	0.75 ÷ 1.05	0.75 ÷ 1.05
0.30	0.28	0.27	0.27	0.25	0.24	0.28	0.27	0.26	0.25	0.27	0.31	0.27	0.27
15	8	10	10	15	10	6	5	8	7	2	10	8	8
50	60	85	70	60	70	45	50	50	35	20	65	50	60
19000	8900	9500	12200	16000	21000	15500	22500	25500	29000	4700	4600	10200	9400
17000	7400	7700	10100	12500	16000	14000	21500	23000	27000	2200	3700	9200	6200
11700	5700	6200	7700	9000	10500	10000	15000	16000	17500	1200	2100	7900	4400
7900	4400	4800	6600	7500	8200	7500	10500	11000	12000	800	1700	5800	3500
5800	3600	4200	5600	5900	6300	5400	7700	8200	9500	640	1500	4400	2000
										-	100		
										60	70		
										40	55		
										30	45		
										25	40		
180	165	185	190	220	215	200	220	220	210	85	100	180	145
140	130	140	145	185	170	140	160	170	170	55	70	140	95
110	100	115	115	150	130	115	135	145	140	40	50	110	75
95	90	100	105	130	110	105	120	125	125	30	45	100	65
75	80	85	90	100	95	90	100	105	100	25	35	85	40
										-	3		
										10	4		
										14	7.5		
										15	8		
										16	7		
1.8	3.4	3.3	3.2	2.7	2	2	1.7	1.2	1	5	4	2.5	2.4
3	4.4	4.2	4.1	3	3	2.7	2.3	1.8	1.5	15	6.5	3.2	4
3.2	5.7	5.6	5.3	5	3.5	3.4	3	2.7	2.4	20	12	4.2	5
4.2	6.2	6.4	6.2	5.2	4.5	3.6	3.2	3	2.8	25	12	4.6	5.1
4.3	7	6.8	6.6	6	5	3.7	3.4	3.2	2.9	45	10	4.9	5.4
10	50	45	35	7	20	25	15	10	7	95	30	40	45
105	125	130	130	135	135	125	130	130	135	90	90	130	130
255	255	255	255	255	255	250	255	255	250	225	235	255	250
260	260	260	260	260	260	260	260	260	260	230	255	260	260
250	245	245	250	250	245	255	255	255	250	140	230	250	245
1E4						1E4	1E3	1E2	1E1				
90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100
260 ÷ 290	275 ÷ 300	275 ÷ 300	275 ÷ 300	280 ÷ 310	280 ÷ 310	270 ÷ 300	280 ÷ 300	280 ÷ 300	280 ÷ 310	275 ÷ 300	270 ÷ 290	270 ÷ 290	270 ÷ 290
60 ÷ 80	80 ÷ 100	80 ÷ 100	80 ÷ 100	80 ÷ 110	80 ÷ 100	80 ÷ 100	80 ÷ 100	80 ÷ 100	80 ÷ 100	80 ÷ 100	70 ÷ 90	70 ÷ 90	80 ÷ 100

<b>AF</b>	PBB/PBDE and Sb <sub>2</sub> O <sub>3</sub> free	<b>H, H2, VH2</b>	Heat stabilisation
<b>AG</b>	Chemically coupled	<b>HF</b>	Halogen free
<b>B</b>	Low viscosity	<b>K</b>	Carbon fibre
<b>C</b>	High viscosity	<b>KB, KB1</b>	Red phosphorous
<b>CE, CER, CET, KC, MX, TR, T, TES</b>	Mineral filler	<b>KB3</b>	Red phosphorous, suitable for warm & humid environments
<b>CP</b>	Special mineral filler	<b>KB4</b>	Red Phosphorous, improved CTI
<b>CT1</b>	Improved CTI	<b>L</b>	Oil stabilisation
<b>CT2</b>	Improved CTI, PBB/PBDE free	<b>S</b>	Glass beads
<b>CT3</b>	Improved CTI, halogen and red phosphorous free	<b>UV</b>	UV stabilisation
<b>CT4</b>	Improved CTI, low smoke density and low toxicity index	<b>V</b>	Flame retardant
<b>E, PX</b>	Improved impact resistance	<b>VH</b>	Glycol and hydrolisis stabilisation
<b>FE</b>	Magnetizable filler	<b>W</b>	Stabilisation for metal contact
<b>G</b>	Glass fibres	<b>V0E</b>	PBB/PBDE free



# ENGINEERING THERMOPLASTICS

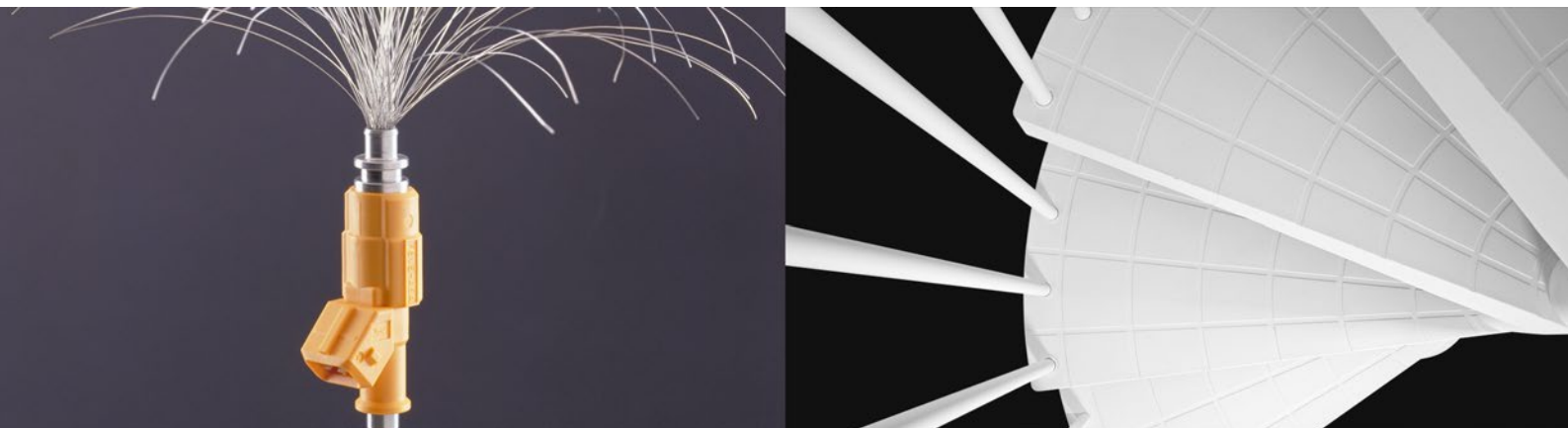
## SEMICRYSTALLINE

## BLEND

PA66		PA12				PA6.10		PA6.12	BLEND		
LATAMID 66 VH2 G/30	KELON A H CEG/40	LATAMID 12 CP/85	LATAMID 12 H FE90	LATAMID 12 H2 G/30	LATAMID 12H2 K/30	LATAMID SP1	LATAMID SP1 G/50	LATAMID SP2 H2 G/35	LATIBLEND 3675 G/10	LATIBLEND 6252	LATIBLEND 6252 H2 G/30
1.37	1.49	3.23	3.27	1.23	1.17	1.07	1.49	1.33	1.15	0.97	1.24
0.35 ÷ 0.65	0.80 ÷ 1.10	0.65 ÷ 0.85	0.70 ÷ 0.90	0.40 ÷ 0.70	0.20 ÷ 0.40	1.00 ÷ 1.40	0.30 ÷ 0.60	0.35 ÷ 0.60	0.40 ÷ 0.70	1.30 ÷ 1.70	0.35 ÷ 0.50
0.75 ÷ 1.05	1.00 ÷ 1.30	0.65 ÷ 0.85	0.70 ÷ 0.90	0.80 ÷ 1.10	0.60 ÷ 0.90	1.00 ÷ 1.40	0.65 ÷ 0.95	0.75 ÷ 1.05	0.55 ÷ 0.85	1.40 ÷ 1.80	0.80 ÷ 1.10
0.27	0.26	0.04	0.04	0.06	0.06	0.09	0.23	0.24	0.04	0.30	0.27
7	3.5	2	2	15	10	6	15	10	6	30	10
5				10	8						8
55	25	10	10	70	45	NR	80	95	25	NR	55
50				80	40						55
10400	6600	9000	9000	6600	15800	2400	14000	9300	3100	750	8600
6200	5000			4000	7200	700	9800	6500			5500
5000	4100			3200	6600	450	8400	5600			4000
3800	3700			2700	3900	300	5800	3900			3000
3300	2600			2100	2600	200	4800	3200			2000
-				100		65				22	115
105						NR					80
85						NR					60
75						NR					40
65						NR					30
150	90	35	35	100	140	60	215	145	50	20	125
100	70			75	95	NR	155	105			75
80	45			60	70	NR	130	90			55
70	35			50	50	NR	110	75			40
65	25			35	35	NR	90	60			30
-				6.5						6	2.5
4											4.5
5											5.3
5.5											6.5
5.5											7.5
2.5	2.9	0.8	1	8	3	100	2.5	3.6	2.5	>100	3
4.5	3.5			11	4.5	>100	3.3	4.7			5.5
5	6.5			12	5	>100	3.8	5.4			6.3
5.5	8			14	5.5	>100	4.2	6			7.2
5.5	12			16	7	>100	4.8	6.8			8.4
40	60	20	120	10	4	135	25	30	75	40	40
130	125	110	110	120	120	70	130	110	90	70	120
250	230	160	160	170	170	180	220	210	100	70	170
260	240	150	150	180	180	175	220	215	100	80	195
245	180	95	95	175	175	65	200	200	90	45	160
90 ÷ 100	90 ÷ 100	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	80 ÷ 100	80 ÷ 90	80 ÷ 90	80 ÷ 90
270 ÷ 290	280 ÷ 310	250 ÷ 270	250 ÷ 270	210 ÷ 230	210 ÷ 230	230 ÷ 260	260 ÷ 280	250 ÷ 280	240 ÷ 260	220 ÷ 240	230 ÷ 250
80 ÷ 100	80 ÷ 100	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	80 ÷ 100	70 ÷ 90	70 ÷ 100	70 ÷ 80	70 ÷ 80



\* Values obtained according to ISO norm at the specified pressure. Actual shrinkage values may differ because of the design.



# FLAME RETARDANT

AMORPHOUS											SEMICRYSTALLINE		
ABS			PC				PPOm				PPh		
LASTILAC AR G/17-V0E	LASTILAC ARUV-V0	LASTILAC AR-V0E	LATILON 28D-V0	LATILON 28D G/20-V0	LATILON 30D-V0	LATILON 30D G/10-V0	LARIL 13 G/10-V1	LARIL 13 G/20-V1	LARIL 13 G/30-V1	LARIL 13-V1KC	LATENE 7 TR-V2	LATENE 7H2-V2HF	LATENE 7H2W T-V0E
1.39	1.19	1.20	1.21	1.33	1.21	1.26	1.13	1.24	1.32	1.37	0.97	0.98	1.32
0.30 ÷ 0.50	0.40 ÷ 0.60	0.40 ÷ 0.60	0.55 ÷ 0.75	0.20 ÷ 0.40	0.55 ÷ 0.75	0.45 ÷ 0.65	0.45 ÷ 0.70	0.40 ÷ 0.65	0.35 ÷ 0.60	0.40 ÷ 0.65	1.35 ÷ 1.65	1.30 ÷ 1.60	0.75 ÷ 0.95
0.40 ÷ 0.60	0.45 ÷ 0.65	0.45 ÷ 0.65	0.60 ÷ 0.75	0.40 ÷ 0.60	0.60 ÷ 0.75	0.60 ÷ 0.75	0.55 ÷ 0.75	0.50 ÷ 0.70	0.45 ÷ 0.65	0.50 ÷ 0.70	1.40 ÷ 1.70	1.35 ÷ 1.65	0.70 ÷ 0.90
0.03	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.03	0.03	0.05	0.07	0.05
5	5	7	10	10	15	7.5	10	7	7	5	1.5	1.5	2.5
2	4	4	8			6		6	6		0.3	0.4	2.3
8	65	50	NR	40	NR	NR	25	25	18	15	50	40	20
10	35	35	NR			NR		25	20		15	15	6.5
5500	2400	2300	2400	6500	2500	3100	4000	6900	8600	5000	2200	1900	3500
4800	1950	1900	2100	6000	2200	2900	3400	6000	7800	4300	950	850	1450
3800	1600	1500	1800	5700	1900	2800	2800	5400	6600	3600	550	550	1000
			1600	4500	1700	2200	2400	3300	4500	3200			
-	40	40	65		70	60	-	-	-	-	30	30	27
-	30	30	60		60	50	-	-	-	-	20	20	17
15	20	20	50		55	45	45	50	-	-	10	10	12
			35		40	30	20	25	40	20			
35	35	35	50	95	55	45	65	90	95	65	25	20	25
15	20	20	30	85	35	25	60	70	80	55	NR	NR	15
8	5	5	25	70	NR	NR	35	45	65	40	NR	NR	10
			23	60	NR	NR	15	20	40	20			
-	3	2	5.0		8	4	-	-	-	-	6	7.5	2.3
-	3	2.3	4.0		6	3	-	-	-	-	8	8.5	5.5
1	3.2	2.3	3.0		4	2.8	2	1.5	-	-	9	9	6.5
			2.5		2.5	2.2	2	1.5	1	1.5			
1.5	10	8	80	1.8	80	35	3.5	2	1.5	2	25	60	3.7
1.5	55	50	70	1.6	70	28	3.5	2	1.5	2	>100	>100	6
15	95	95	>100	1.5	>100	>100	3.8	2.2	1.8	2.2	>100	>100	10
			>100	1.5	>100	>100	4.5	3	2.5	2.5			
30	40	70	75	35	75	60	40	25	20	30	110	145	100
70	65	70	120	130	120	130	110	115	115	105	90	100	105
85	80	95	140	140	140	145	130	130	135	145	100	100	70
100	80	85	135	140	135	140	130	130	130	140	110	100	115
95	65	80	130	135	130	130	120	125	125	135	60	60	65
325		350	200	150	200	175	250	250	225	250	600	600	600
70 ÷ 80	70 ÷ 80	70 ÷ 80	120 ÷ 130	120 ÷ 130	120 ÷ 130	120 ÷ 130	100 ÷ 110	100 ÷ 110	100 ÷ 110	100 ÷ 110	80 ÷ 90	80 ÷ 90	80 ÷ 90
190 ÷ 220	180 ÷ 220	180 ÷ 210	260 ÷ 290	270 ÷ 290	260 ÷ 290	270 ÷ 290	260 ÷ 290	260 ÷ 290	270 ÷ 290	260 ÷ 290	180 ÷ 220	180 ÷ 210	180 ÷ 220
40 ÷ 60	40 ÷ 60	40 ÷ 60	90 ÷ 110	100 ÷ 120	90 ÷ 110	100 ÷ 120	80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	20 ÷ 40	30 ÷ 50	20 ÷ 40

<b>AF</b>	PBB/PBDE and Sb <sub>2</sub> O <sub>3</sub> free	<b>H, H2, VH2</b>	Heat stabilisation
<b>AG</b>	Chemically coupled	<b>HF</b>	Halogen free
<b>B</b>	Low viscosity	<b>K</b>	Carbon fibre
<b>C</b>	High viscosity	<b>KB, KB1</b>	Red phosphorous
<b>CE, CER, CET, KC, MX, TR, T, TES</b>	Mineral filler	<b>KB3</b>	Red phosphorous, suitable for warm & humid environments
<b>CP</b>	Special mineral filler	<b>KB4</b>	Red Phosphorous, improved CTI
<b>CT1</b>	Improved CTI	<b>L</b>	Oil stabilisation
<b>CT2</b>	Improved CTI, PBB/PBDE free	<b>S</b>	Glass beads
<b>CT3</b>	Improved CTI, halogen and red phosphorous free	<b>UV</b>	UV stabilisation
<b>CT4</b>	Improved CTI, low smoke density and low toxicity index	<b>V</b>	Flame retardant
<b>E, PX</b>	Improved impact resistance	<b>VH</b>	Glycol and hydrolisis stabilisation
<b>FE</b>	Magnetizable filler	<b>W</b>	Stabilisation for metal contact
<b>G</b>	Glass fibres	<b>V0E</b>	PBB/PBDE free

# FLAME RETARDANT SEMICRYSTALLINE

PPh			PPc		PBT							PA6		
LATENE 7H2W-V0	LATENE 7-V2	LATENE AG3H2W G/30-V0E	LATENE EP 7-V2	LATENE EP7-V2HF	LATER 4-V0HF1	LATER 4 E61 GCER/450-V0	LATER 4 G/30-V0	LATER 4 G/30-V0HF1	LATER 4 G/30-V0CT2	LATER 4-V0	LATIBLEND 7587 E61-V0	LATAMID 6 H-V0	LATAMID 6 H2PX-V0	LATAMID 6 H2 G/20-V0
1.01	0.94	1.46	0.95	0.95	1.33	1.78	1.58	1.57	1.65	1.42	1.33	1.16	1.32	1.45
1.20 ÷ 1.50	1.40 ÷ 1.70	0.30 ÷ 0.50	1.40 ÷ 1.70	1.35 ÷ 1.65	1.50 ÷ 1.80	0.40 ÷ 0.65	0.30 ÷ 0.50	0.30 ÷ 0.50	0.30 ÷ 0.50	1.50 ÷ 1.80	1.20 ÷ 1.50	1.05 ÷ 1.40	1.10 ÷ 1.45	0.40 ÷ 0.65
1.20 ÷ 1.50	1.45 ÷ 1.75	0.75 ÷ 0.95	1.45 ÷ 1.75	1.35 ÷ 1.65	1.50 ÷ 1.80	0.80 ÷ 1.10	0.95 ÷ 1.25	0.95 ÷ 1.25	0.90 ÷ 1.20	1.50 ÷ 1.80	1.10 ÷ 1.40	1.15 ÷ 1.45	1.20 ÷ 1.50	0.55 ÷ 0.80
0.07	0.07	0.05	0.07	0.08	0.08	0.07	0.05	0.06	0.05	0.07	0.06	0.37	0.38	0.33
1.5	1.5	10	8	6	2	5	8	6	8.5	5	20	3	6	4
0.8	0.8	5	3				7		6.5					4
NR	NR	40	NR	90	25	20	50	35	30	20	NR	80	85	15
20	20	20	100				50		35					15
1200	1500	7800	1350	1200	2300	11000	9500	9900	7800	2800	1900	3400	2700	8000
650	650	5700	600	550	1300	7800	7200	6500	5400	1600	1400	1400	1100	6500
350	350	4300	350	350	800	5000	4900	4100	3400	1000	1200	800	650	3600
					600	3500	3800	3000	2500	700	1000	600	450	3000
					350	2700	2800	2100	1800	450	500	500	350	2400
20	30	-	25	22	35					50	35	60	40	-
10	15	45	15	12	25					40	25	-	-	-
7	10	30	8	7	12					30	22	-	-	30
					-					-	20	-	-	25
					-					-	-	-	-	20
NR	NR	75	NR	12	35	95	120	140	85	45	30	70	35	55
NR	NR	45	NR	10	25	65	85	90	55	35	20	50	25	40
NR	NR	30	NR	8	12	50	65	65	30	20	NR	NR	NR	25
					NR	40	50	50	20	NR	NR	NR	NR	20
					NR	30	40	45	15	NR	NR	NR	NR	10
5.5	9	-	6	5.7	3					3	5	3	4	-
6.5	10	2.5	9	7	4.5					4.5	>10	-	-	-
7	>10	4	9	7.5	10					9	>10	-	-	1.7
					-					-	>10	-	-	2
					-					-	-	-	-	2.5
>100	>100	2.5	>100	>100	5	1.7	2.8	1.8	2.3	20	20	5	10	1
>100	>100	4	>100	>100	35	2	4	2.2	2.6	55	75	45	70	1.2
>100	>100	7	>100	>100	80	2.4	6	2.8	2.6	90	>100	>100	>100	2
					>100	2.8	6.2	3	2.7	>100	>100	>100	>100	2.5
					>100	3	6.3	3	2.8	>100	>100	>100	>100	5
80	145	45	140	55	110	20	15	30	35	115	100	80	105	40
100	80	110	75	60	120	135	135	135	135	120	130	100	90	85
100	90	135	70	75	175	205	205	200	170	185	120	200	160	210
110	100	155	100	90	160	215	215	220	215	170	90	185	140	215
55	55	140	55	55	60	200	205	205	185	65	75	70	60	195
600	600	575	600	600	600	475	250	600	400	250	200	550	325	300
80 ÷ 90	80 ÷ 90	80 ÷ 90	80 ÷ 90	70 ÷ 90	110 ÷ 130	110 ÷ 130	110 ÷ 130	110 ÷ 130	110 ÷ 130	110 ÷ 130	120 ÷ 130	90 ÷ 100	90 ÷ 100	90 ÷ 100
180 ÷ 210	180 ÷ 210	190 ÷ 220	180 ÷ 210	180 ÷ 200	230 ÷ 240	240 ÷ 255	240 ÷ 250	230 ÷ 250	230 ÷ 250	230 ÷ 240	250 ÷ 270	235 ÷ 250	235 ÷ 250	240 ÷ 260
20 ÷ 40	20 ÷ 40	30 ÷ 50	20 ÷ 40	20 ÷ 40	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	70 ÷ 90	60 ÷ 80	70 ÷ 80	60 ÷ 70	70 ÷ 100

\* Values obtained according to ISO norm at the specified pressure. Actual shrinkage values may differ because of the design.



# FLAME RETARDANT

## SEMICRYSTALLINE

PA6								PA66						
LATAMID 6 H2 G/20-V2HF	LATAMID 6 H2 G/30-V0CT1	LATAMID 6 H2 G/30-V0HF1	LATAMID 6 H2 G/30-V2HF	KELON B FR H CET/30-V0	KELON B FR H CETG/250-V0	KELON B FR H2 CE/25-V2HF	KELON B FR H2 CEG/500-V0CT3	LATAMID 66 H-V0	LATAMID 66 H2PX-V2	LATAMID 66 H2PX-V0	LATAMID 66 H2 G/25-V0CT1	LATAMID 66 H2 G/25-V0HF1	LATAMID 66 H2 G/50-GWHF1	
1.32	1.54	1.40	1.39	1.59	1.56	1.33	1.73	1.17	1.26	1.35	1.58	1.40	1.58	
0.65 ÷ 0.90	0.25 ÷ 0.45	0.35 ÷ 0.55	0.35 ÷ 0.60	0.30 ÷ 0.55	0.30 ÷ 0.50	0.55 ÷ 0.75	0.25 ÷ 0.40	1.05 ÷ 1.35	1.15 ÷ 1.45	1.10 ÷ 1.40	0.35 ÷ 0.60	0.40 ÷ 0.70	0.30 ÷ 0.60	
0.55 ÷ 0.80	0.50 ÷ 0.70	0.65 ÷ 0.90	0.65 ÷ 0.85	0.35 ÷ 0.60	0.40 ÷ 0.65	0.65 ÷ 0.85	0.50 ÷ 0.65	1.05 ÷ 1.40	1.20 ÷ 1.50	1.15 ÷ 1.45	0.70 ÷ 1.00	0.80 ÷ 1.15	0.80 ÷ 1.20	
0.33	0.30	0.31	0.32	0.30	0.32	0.32	0.27	0.30	0.32	0.31	0.25	0.27	0.26	
3	8	10	4	2	5	3	3.5	3	5	7	7	8	12	
	7			2	4		3.5							
30	40	70	45	15	25	30	15	55	NR	NR	35	75	65	
	35			15	25		15							
5500	11000	10500	7000	10000	10000	4900	10500	3900	2500	2800	9200	9500	16500	
4200	7400	7500	5500	6500	7200	2200	6500	2000	1250	1400	7200	6800	11000	
2600	5100	4600	3600	3400	4500	1300	4700	1200	700	800	4800	4200	6500	
2100	4200	3800	3000	2600	3500	750	3500	900	500	550	3200	3500	6000	
1700	3600	3400	2500	2300	2600	500	2800	700	350	400	2200	3100	5000	
-								75	60	55	-			
-								-	-	-	-			
40								-	-	-	-			
35								-	-	-	60			
20								-	-	-	50			
80	125	145	90	65	90	65	85	70	55	50	135	150	205	
60	80	105	70	50	75	45	65	50	45	40	95	105	150	
35	60	80	45	30	60	30	55	NR	NR	NR	75	80	110	
30	50	75	35	25	50	20	45	NR	NR	NR	60	75	90	
15	40	65	20	20	35	15	35	NR	NR	NR	50	65	80	
-								3	4	2.5	-			
-								-	-	-	-			
3.2								-	-	-	-			
3.8								-	-	-	3.5			
4.5								-	-	-	3.7			
3.5	2	3.2	3	1.5	2	2.5	1.5	8	15	10	2.1	3	2.2	
4.3	4.5	4.6	3.6	2.3	2.5	3.5	1.8	45	80	60	2.4	4.4	3	
7	6	6.7	6	5.1	6.2	6.5	2	>100	>100	>100	3.8	6	3.8	
9	7	7.6	7.8	10	10	12	2.5	>100	>100	>100	3.9	6.5	4.1	
15	7.5	8.6	12	20	15	20	2.5	>100	>100	>100	4.2	6.8	4.4	
75	30	40	60	40	30	90	35	110	120	110	8	45	25	
80	115	110	110	115	115	80	135	100	95	100	115	115	135	
205	195	215	210	195	190	205	210	240	195	180	245	245	255	
190	215	220	210	205	210	200	215	225	185	170	255	255	260	
175	185	210	165	155	190	120	200	75	65	70	240	235	250	
550	400	600	575	450	500	550	600	600	300	250	400	600	600	
90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	
240 ÷ 260	240 ÷ 260	240 ÷ 260	240 ÷ 250	240 ÷ 260	240 ÷ 260	240 ÷ 260	250 ÷ 270	260 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 290	
70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 90	70 ÷ 100	70 ÷ 100	70 ÷ 100	80 ÷ 100	70 ÷ 100	70 ÷ 90	70 ÷ 90	70 ÷ 100	70 ÷ 100	70 ÷ 100	

<b>AF</b>	PBB/PBDE and Sb <sub>2</sub> O <sub>3</sub> free	<b>H, H2, VH2</b>	Heat stabilisation
<b>AG</b>	Chemically coupled	<b>HF</b>	Halogen free
<b>B</b>	Low viscosity	<b>K</b>	Carbon fibre
<b>C</b>	High viscosity	<b>KB, KB1</b>	Red phosphorous
<b>CE, CER, CET, KC, MX, TR, T, TES</b>	Mineral filler	<b>KB3</b>	Red phosphorous, suitable for warm & humid environments
<b>CP</b>	Special mineral filler	<b>KB4</b>	Red Phosphorous, improved CTI
<b>CT1</b>	Improved CTI	<b>L</b>	Oil stabilisation
<b>CT2</b>	Improved CTI, PBB/PBDE free	<b>S</b>	Glass beads
<b>CT3</b>	Improved CTI, halogen and red phosphorous free	<b>UV</b>	UV stabilisation
<b>CT4</b>	Improved CTI, low smoke density and low toxicity index	<b>V</b>	Flame retardant
<b>E, PX</b>	Improved impact resistance	<b>VH</b>	Glycol and hydrolisis stabilisation
<b>FE</b>	Magnetizable filler	<b>W</b>	Stabilisation for metal contact
<b>G</b>	Glass fibres	<b>V0E</b>	PBB/PBDE free

# FLAME RETARDANT SEMICRYSTALLINE

PA66											PA6/ PA66		PA6.66	PPA
LATAMID 66 H2 G/50-V0HF1	LATAMID 66 H2 G/25-V0KB	LATAMID 66 H2 G/25-V0KB1	LATAMID 66 H2 G/25-V0KB3	LATAMID 66 H2 G/25-V0KB4	LATAMID 66 H2 G/35-V0KB	LATAMID 66 H2 G/35-V0KB1	LATAMID 66 H2 G/35-V0KB3	LATAMID 66 H2 G/50-V0KB1	KELON A FR H2 CETG/300-V0	KELON A FR H2 CET/35-V2	LATAMID 66 B G/20-V	LATAMID 66 B H-V0	LATAMID 68 H2-V0	LARAMID G/30-V0HF1
1.68	1.36	1.32	1.33	1.33	1.49	1.45	1.45	1.56	1.61	1.57	1.52	1.16	1.16	1.49
0.25 ÷ 0.60	0.35 ÷ 0.65	0.35 ÷ 0.65	0.35 ÷ 0.65	0.40 ÷ 0.70	0.35 ÷ 0.60	0.30 ÷ 0.60	0.30 ÷ 0.60	0.25 ÷ 0.55	0.50 ÷ 0.70	0.50 ÷ 0.70	0.25 ÷ 0.45	0.80 ÷ 1.10	0.85 ÷ 1.10	0.35 ÷ 0.50
0.75 ÷ 1.10	0.85 ÷ 1.15	0.75 ÷ 1.05	0.75 ÷ 1.00	1.05 ÷ 1.30	0.75 ÷ 1.05	0.75 ÷ 1.00	0.75 ÷ 1.00	0.65 ÷ 0.95	0.55 ÷ 0.75	0.60 ÷ 0.75	0.70 ÷ 1.00	0.85 ÷ 1.15	0.60 ÷ 0.80	0.70 ÷ 1.00
0.26	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.25	0.26	0.27	0.28	0.30	0.32	0.21
8	10	8	10	13	10	10	10	10	2	3	3.5	3	3	6
45	70	55	65	60	80	70	100	65	20	25	30	55	90	30
16000	8800	8400	8200	6800	12500	11000	9800	13500	10200	9500	8100	3800	3400	13000
11500	7300	7100	6900	4700	10400	9600	8100	8500	8000	7300	5800	1800	2000	11500
7100	5100	4800	4200	2800	7900	6300	4900	7200	4800	3800	4000	1100	1100	9000
6000	4200	4000	3500	2300	6800	5300	3900	6000	3300	2100	3200	800	850	7500
5300	3500	3300	2700	2000	5700	4400	3100	4500	2800	1600	2400	600	650	5000
		-	-	-					-	-	-	80	75	
		-	-	70					-	-	75	-	-	
		85	70	50					40	35	60	-	-	
		65	50	40					30	25	50	-	-	
		55	40	35					25	20	45	-	-	
175	145	145	135	110	185	185	145	180	80	70	115	80	70	120
125	115	115	100	70	145	140	110	125	65	55	75	55	45	110
95	85	80	65	50	110	105	70	100	45	35	60	NR	NR	100
90	70	65	50	40	90	85	55	80	35	25	50	NR	NR	85
80	60	55	40	35	80	75	45	65	30	20	40	NR	NR	70
		-	-	-					-	-	-	4	3	
		-	-	3.5					-	-	3	-	-	
		4.5	3.7	5.2					5	6	4.5	-	-	
		4.8	3.8	5					7	10	4.8	-	-	
		5.5	4.1	4.8					10	>10	5.5	-	-	
2	3	3.1	2.2	2.2	2.3	2.5	2.2	2.2	1.6	1.5	2.5	8	10	1.3
2.8	3.8	3.8	2.6	4	2.9	3.1	2.4	3.2	2.7	2.5	4	50	60	1.5
3.6	5.1	5.2	4.2	6	3.8	4	3.9	3.5	6.5	7	5	>100	>100	2
4	5.6	5.7	4.2	5.5	4.2	4.5	4	3.7	12	15	5.3	>100	>100	4
4.2	6	6	4.7	5	4.5	4.7	4.3	3.8	20	25	6	>100	>100	5
20	45	50	50	50	30	35	35	20	30	40	45	70	120	15
130	125	125	125	125	130	125	125	130	115	125	90	95	100	140
245	235	245	240	235	250	255	250	255	235	200	220	240	210	260
255	255	255	250	255	260	260	260	260	240	210	235	235	195	290
240	230	235	225	235	255	255	245	250	220	165	210	90	95	260
600	400	400	600	600	450	600	600	600	400	600	250	525	600	600
90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	90 ÷ 100	120 ÷ 130
270 ÷ 290	270 ÷ 290	270 ÷ 290	260 ÷ 280	270 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 290	270 ÷ 280	265 ÷ 275	245 ÷ 260	310 ÷ 330
70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 100	70 ÷ 90	150 ÷ 170

\* Values obtained according to ISO norm at the specified pressure. Actual shrinkage values may differ because of the design.



# HIGH PERFORMANCE

AMORPHOUS											SEMICRYSTALLINE		
PSU				PES				PPSU			PPA		
LASULF	LASULF G/15	LASULF G/20	LASULF G/30	LAPEX A	LAPEX A G/10	LAPEX A G/20	LAPEX A G/30	LAPEX R	LAPEX R G/10	LAPEX R G/20	LARAMID CE/60	LARAMID G/15	LARAMID G/30
1.23	1.34	1.38	1.47	1.37	1.45	1.49	1.60	1.30	1.37	1.43	1.80	1.30	1.43
0.60 ÷ 0.90	0.20 ÷ 0.45	0.15 ÷ 0.35	0.10 ÷ 0.30	0.60 ÷ 0.80	0.40 ÷ 0.55	0.35 ÷ 0.50	0.30 ÷ 0.45	0.60 ÷ 0.80	0.45 ÷ 0.60	0.40 ÷ 0.55	0.40 ÷ 0.65	0.40 ÷ 0.70	0.30 ÷ 0.60
0.65 ÷ 0.95	0.65 ÷ 0.85	0.60 ÷ 0.80	0.45 ÷ 0.60	0.65 ÷ 0.85	0.60 ÷ 0.80	0.55 ÷ 0.80	0.50 ÷ 0.70	0.65 ÷ 0.85	0.60 ÷ 0.80	0.55 ÷ 0.75	0.45 ÷ 0.70	0.85 ÷ 1.15	0.75 ÷ 1.05
0.08	0.07	0.07	0.06	0.20	0.18	0.18	0.17	0.08	0.06	0.06	0.17	0.21	0.20
5	3.5	8	10	6.5	3.5	4	6	60	10	15	2	4	7
1.5	3.5			2.5								4	
NR	30	30	35	NR	50	35	25	NR	20	25	10	20	35
NR	40			NR								17	
2500	5500	6500	8800	2900	5000	6700	9600	2600	4300	5900	9500	7200	12000
2300	5300	5800	8300	2700	4800	6500	9400	2200	4100	5600	8700	6800	8500
2200	5200	5600	8100	2300	4600	6200	9000	2000	3800	5100	7100	5700	6000
2000	5100	5500	7800	2100	4400	6000	8800	1800	3600	4800	5300	4400	5500
1900	4700	5200	7400	2000	4300	5800	8600	1600	3400	4600	2500	2000	5000
72				85	-	-		80				-	
63				80	-	-		70				-	
55				75	-	-		60				-	
45				65	-	-		50				80	
35				50	75	90		40				55	
NR	85	95	100	NR	100	115	130	NR	105	110	130	110	200
NR	80	90	100	NR	95	110	125	NR	100	105	115	105	150
NR	75	85	95	NR	90	100	115	NR	90	95	95	100	120
NR	65	70	80	NR	75	90	100	NR	80	85	65	75	100
NR	50	55	70	NR	70	80	90	NR	70	65	45	55	80
5.5				6.3	-	-		5.3				-	
4.5				5.5	-	-		4.6				-	
4				4.7	-	-		3.8				-	
3.5				4	-	-		3.3				3.5	
2.8				3.2	3.2	2.5		2.8				10	
>100	2.3	2.2	1.7	>100	3.5	2.5	2	>100	2.8	2.5	1.5	2	3
>100	2.4	2.1	1.8	>100	3.7	2.6	2.1	>100	2.6	2.2	1.7	2	3.5
>100	2.4	1.9	1.8	>100	4.1	2.7	2.3	>100	2.6	2.2	1.9	2	4.4
>100	2.4	1.9	1.7	>100	4.4	2.8	2.4	>100	2.5	2.2	3.5	5	7.3
>100	2.3	1.8	1.6	>100	20	3	2.5	>100	2.3	2.1	6.5	12	9
55	30	25	20	50	30	25	20	55	35	25	5	20	15
150	160	160	160	180	180	180	185	190	190	190	135	135	140
175	185	185	185	215	220	220	220	215	220	220	165	265	270
180	185	185	190	210	220	220	220	215	220	220	175	280	280
165	175	180	185	195	215	215	215	205	210	210	160	250	275
150	125	125	125										
110 ÷ 130	110 ÷ 130	110 ÷ 130	110 ÷ 130	140 ÷ 180	150 ÷ 180	150 ÷ 180	150 ÷ 180	140 ÷ 180	140 ÷ 180	140 ÷ 180	120 ÷ 130	120 ÷ 130	120 ÷ 130
290 ÷ 320	300 ÷ 330	300 ÷ 330	300 ÷ 330	340 ÷ 370	350 ÷ 370	350 ÷ 370	350 ÷ 370	340 ÷ 380	350 ÷ 390	350 ÷ 390	310 ÷ 340	310 ÷ 330	310 ÷ 330
110 ÷ 130	120 ÷ 140	120 ÷ 140	120 ÷ 140	140 ÷ 165	140 ÷ 165	140 ÷ 165	140 ÷ 165	140 ÷ 180	150 ÷ 190	150 ÷ 190	150 ÷ 170	150 ÷ 170	150 ÷ 170



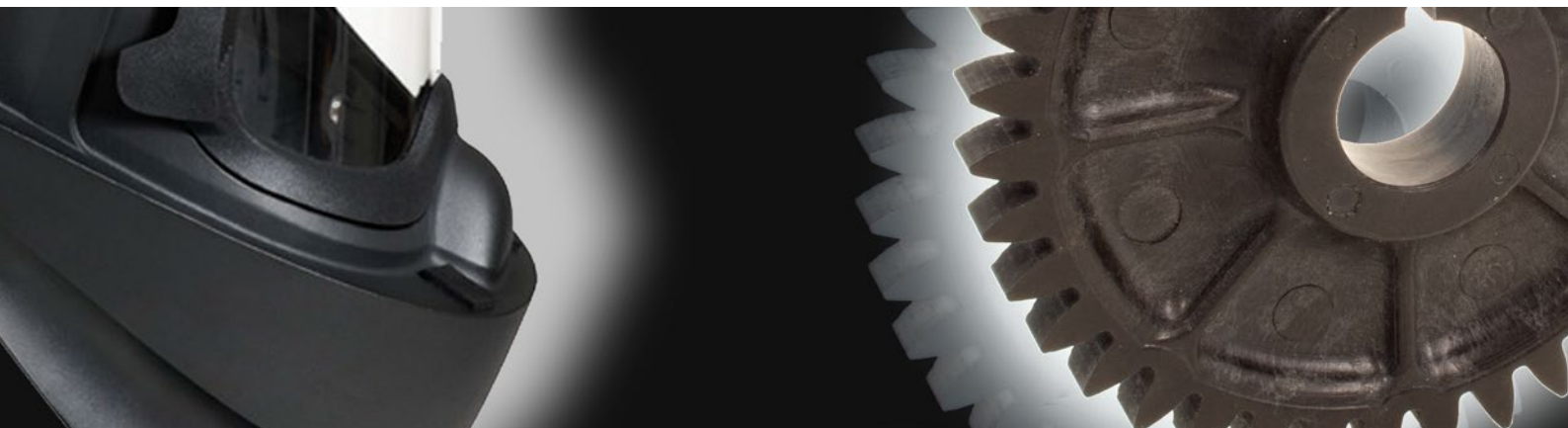
<b>AF</b>	PBB/PBDE and Sb <sub>2</sub> O <sub>3</sub> free	<b>H, H2, VH2</b>	Heat stabilisation
<b>AG</b>	Chemically coupled	<b>HF</b>	Halogen free
<b>B</b>	Low viscosity	<b>K</b>	Carbon fibre
<b>C</b>	High viscosity	<b>KB, KB1</b>	Red phosphorous
<b>CE, CER, CET, KC, MX, TR, T, TES</b>	Mineral filler	<b>KB3</b>	Red phosphorous, suitable for warm & humid environments
<b>CP</b>	Special mineral filler	<b>KB4</b>	Red Phosphorous, improved CTI
<b>CT1</b>	Improved CTI	<b>L</b>	Oil stabilisation
<b>CT2</b>	Improved CTI, PBB/PBDE free	<b>S</b>	Glass beads
<b>CT3</b>	Improved CTI, halogen and red phosphorous free	<b>UV</b>	UV stabilisation
<b>CT4</b>	Improved CTI, low smoke density and low toxicity index	<b>V</b>	Flame retardant
<b>E, PX</b>	Improved impact resistance	<b>VH</b>	Glycol and hydrolisis stabilisation
<b>FE</b>	Magnetizable filler	<b>W</b>	Stabilisation for metal contact
<b>G</b>	Glass fibres	<b>V0E</b>	PBB/PBDE free

# HIGH PERFORMANCE

## SEMICRYSTALLINE

PPA				PPS								
LARAMID G/35	LARAMID G/45	LARAMID G/60	LARAMID K/40 HM	LARTON CE/60	LARTON G/40	LARTON G/40 I6	LARTON GCE/600	LARTON GCE/650	LARTON GK/400	LARTON K/20	LARTON K/30	LARTON K/40 HM
1.46	1.56	1.78	1.37	1.87	1.67	1.65	1.86	2.03	1.59	1.41	1.45	1.50
0.30 ÷ 0.55	0.25 ÷ 0.50	0.15 ÷ 0.35	0.05 ÷ 0.20	0.30 ÷ 0.60	0.20 ÷ 0.35	0.15 ÷ 0.45	0.10 ÷ 0.25	0.10 ÷ 0.20	0.10 ÷ 0.20	0.10 ÷ 0.20	0.10 ÷ 0.20	0.10 ÷ 0.20
0.75 ÷ 1.05	0.60 ÷ 0.90	0.40 ÷ 0.65	0.30 ÷ 0.55	0.30 ÷ 0.60	0.45 ÷ 0.65	0.70 ÷ 1.10	0.15 ÷ 0.30	0.15 ÷ 0.30	0.20 ÷ 0.40	0.20 ÷ 0.30	0.15 ÷ 0.25	0.15 ÷ 0.25
0.20	0.19	0.17	0.20	0.02	0.04	0.05	0.03	0.02	0.02	0.06	0.04	0.03
8	10	15	8	2	9	10	5.5	5.5	5.5	3.5	4.5	3.5
55	85	90	60	5	9 30	40	6 20	15	30	18	25	10
13500	17000	24000	36000	11500	16000	15000	19500	23000	22000	17000	25000	45000
12000	14000	22000	32000	9900	15500	14500	18500	22000	19300	16000	23500	42000
10000	12000	20000	27000	9100	15000	14000	17000	20800	17700	15200	21000	39000
8500	10500	15000	20000	7600	9800	9200	11000	14200	11400	10500	15000	22000
5500	5800	6500	12000	4200	6800	6000	8800	9400	9000	7200	11000	15000
225	245	280	290	70	185	195	165	165	190	150	185	175
180	195	240	265	65	170	180	145	145	170	135	165	160
155	170	215	245	55	140	150	125	125	155	105	130	145
130	150	165	190	35	100	110	100	105	105	70	85	120
85	95	100	140	30	75	85	85	90	85	50	70	100
2.5	2.2	1.8	0.8	0.5	1.4	1.7	0.9	0.8	1.1	1	0.8	0.4
2.8	2.4	1.9	1	0.8	1.7	1.7	1	0.9	1.1	1.1	0.9	0.5
3	2.5	2.2	1.3	1.2	2	2.6	1.1	1	1.3	1.6	1.3	0.8
4.4	4	3.3	2	1.7	3	3	1.7	1.6	1.7	2	1.6	1
8.6	6.8	5	3.5	1.9	3.4	3.3	2.5	2.3	1.8	2.3	1.8	1.2
10	10	8	1	20	20	20	15	15	10	15	8	3
145	150	150	150	200	220	220	220	225	225	220	225	225
270	275	280	275	250	255	260	255	260	260	255	255	255
285	290	290	290	240	280	280	280	285	280	280	280	280
280	280	280	280	160	270	260	270	275	265	265	270	270
			1E1							1E3	1E2	1E2
				175	125	125	150	150				
120 ÷ 130	120 ÷ 130	120 ÷ 130	120 ÷ 130	130 ÷ 150	130 ÷ 150	130 ÷ 150	130 ÷ 150	130 ÷ 150	130 ÷ 150	130 ÷ 150	130 ÷ 150	130 ÷ 150
310 ÷ 330	310 ÷ 340	310 ÷ 340	310 ÷ 340	290 ÷ 330	290 ÷ 310	290 ÷ 310	290 ÷ 330	290 ÷ 330	290 ÷ 320	290 ÷ 310	290 ÷ 310	290 ÷ 310
150 ÷ 170	150 ÷ 170	150 ÷ 170	150 ÷ 170	130 ÷ 140	130 ÷ 140	130 ÷ 140	130 ÷ 140	130 ÷ 140	130 ÷ 140	130 ÷ 140	130 ÷ 140	130 ÷ 140

\* Values obtained according to ISO norm at the specified pressure. Actual shrinkage values may differ because of the design.



# HIGH PERFORMANCE

## SEMICRYSTALLINE

L-PPS		PEEK										
LARTON L G/40	LARTON L K/20	LARPEEK 10	LARPEEK 10 G/30	LARPEEK 10 G/40	LARPEEK 10 G/60	LARPEEK 10 GCE/600	LARPEEK 10 K/20	LARPEEK 10 K/30	LARPEEK 10 K/40	LARPEEK 50	LARPEEK 50 G/30	LARPEEK 50 K/30
1.65	1.41	1.30	1.50	1.62	1.82	1.93	1.36	1.39	1.45	1.30	1.50	1.40
0.25 ÷ 0.40	0.10 ÷ 0.20	0.80 ÷ 1.20	0.20 ÷ 0.45	0.20 ÷ 0.45	0.15 ÷ 0.35	0.20 ÷ 0.45	0.15 ÷ 0.35	0.05 ÷ 0.25	0.05 ÷ 0.20	0.85 ÷ 1.25	0.25 ÷ 0.50	0.05 ÷ 0.25
0.50 ÷ 0.70	0.20 ÷ 0.30	0.90 ÷ 1.30	0.55 ÷ 0.85	0.50 ÷ 0.75	0.30 ÷ 0.55	0.30 ÷ 0.50	0.35 ÷ 0.60	0.30 ÷ 0.50	0.25 ÷ 0.45	0.95 ÷ 1.35	0.60 ÷ 0.90	0.30 ÷ 0.50
0.04	0.06	0.08	0.06	0.05	0.03	0.03	0.07	0.06	0.05	0.08	0.06	0.06
8	3	8	10	10	10	6	5	5	5	8	10	6.5
30	18	NR	65	70	50	40	35	40	45	NR	70	45
17000	18000	3700	11500	14200	23000	17600	18000	24000	30000	3500	11500	21600
14800	15800	3700	11300	13900	22700	17200	17800	23700	29500	3500	11300	20600
12200	12500	3650	11000	13700	22400	16900	17600	23500	29000	3450	11000	20500
8400	9200	3600	10500	13000	22000	16000	17300	23100	28500	3400	10600	19000
7200	7500	3200	10300	12800	21400	15600	16700	22600	27000	3000	10400	15400
		105								95		
		85								80		
		65								60		
		55								50		
		25								30		
160	145	90	175	205	225	160	210	240	255	85	185	225
140	125	80	165	190	215	145	205	235	250	75	170	200
120	95	65	155	175	200	135	195	225	240	60	155	180
90	65	55	135	150	180	115	185	215	230	50	135	155
70	45	25	110	130	160	100	160	190	200	30	110	100
		5								5		
		5								5		
		5								5		
		6								6		
		8								8		
1.2	1	30	2.2	1.9	1.7	1.3	1.3	1.3	1.1	30	2.2	1.5
1.3	1.2	30	2.2	1.9	1.7	1.3	1.3	1.3	1.1	30	2.2	1.7
1.8	1.5	30	2.3	2	1.7	1.4	1.4	1.3	1.1	30	2.2	1.7
2.2	1.9	35	2.3	2	1.7	1.4	1.4	1.4	1.2	35	2.3	2
2.5	2.1	45	2.5	2	1.8	1.5	1.4	1.4	1.2	45	2.4	2.5
30	20	60	20	15	10	50	10	5	4	55	15	2
200	200	210	230	230	240	250	225	230	235	200	230	235
255	255	>300	>300	>300	>300	>300	>300	>300	>300	>300	>300	>300
280	280	195	295	>300	>300	>300	>300	>300	>300	190	>300	>300
270	270	165	290	295	>300	>300	>300	>300	>300	155	>300	>300
	1E3						1E3	1E2	1E2			
		175				200						
130 ÷ 150	130 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150	120 ÷ 150
290 ÷ 310	290 ÷ 310	360 ÷ 390	370 ÷ 400	370 ÷ 400	370 ÷ 400	390 ÷ 400	370 ÷ 400	370 ÷ 400	370 ÷ 400	360 ÷ 390	370 ÷ 400	370 ÷ 400
130 ÷ 140	130 ÷ 140	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200	170 ÷ 200



<b>AF</b>	PBB/PBDE and Sb <sub>2</sub> O <sub>3</sub> free	<b>H, H2, VH2</b>	Heat stabilisation
<b>AG</b>	Chemically coupled	<b>HF</b>	Halogen free
<b>B</b>	Low viscosity	<b>K</b>	Carbon fibre
<b>C</b>	High viscosity	<b>KB, KB1</b>	Red phosphorous
<b>CE, CER, CET, KC, MX, TR, T, TES</b>	Mineral filler	<b>KB3</b>	Red phosphorous, suitable for warm & humid environments
<b>CP</b>	Special mineral filler	<b>KB4</b>	Red Phosphorous, improved CTI
<b>CT1</b>	Improved CTI	<b>L</b>	Oil stabilisation
<b>CT2</b>	Improved CTI, PBB/PBDE free	<b>S</b>	Glass beads
<b>CT3</b>	Improved CTI, halogen and red phosphorous free	<b>UV</b>	UV stabilisation
<b>CT4</b>	Improved CTI, low smoke density and low toxicity index	<b>V</b>	Flame retardant
<b>E, PX</b>	Improved impact resistance	<b>VH</b>	Glycol and hydrolysis stabilisation
<b>FE</b>	Magnetizable filler	<b>W</b>	Stabilisation for metal contact
<b>G</b>	Glass fibres	<b>V0E</b>	PBB/PBDE free



## About LATI

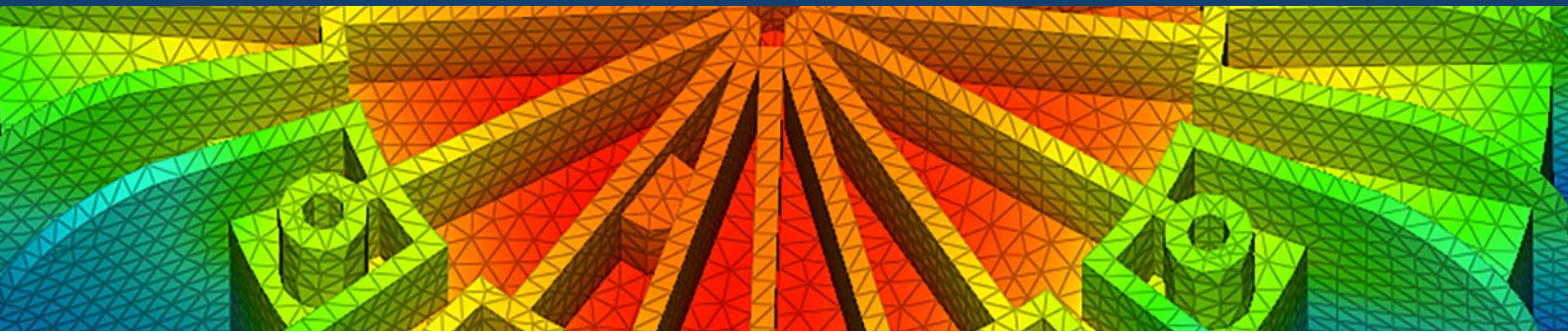
Founded in Italy in 1945, LATI has, over the decades, earned itself a high-profile position, both in Italy and worldwide, within the field of engineering thermoplastic compounds.

Today, the company is the independent compounder offering the widest range of products in Europe, as well as one of the most qualified suppliers of self-extinguishing compounds internationally. A particular strength is its readiness to develop special grades tailored to its customers' needs.

The company has two plants in Italy with a potential production capacity of 38,000 tons per year. LATI materials are used in the main application sectors: the automotive industry, precision mechanics, household appliances, electronics, and medical and biobased applications.

LATI distributes its engineering compounds in all the main foreign markets through its own sales network.

The company is committed to ensuring the satisfaction of its partners through a high-tech service that ranges from compound development to assistance with final project development, provided in compliance with the needs of the customer and always with the utmost flexibility.



## Support and service

LATI is always ready to support its customers from the very initial design phases, suggesting the most suitable material, carrying out product and moulding performance simulations, and providing on-site assistance to ensure flawless processing.



### Co-design support

Thermal, structural and fluid-dynamic FEM calculation is performed by specialists with great experience in numerical simulation, working directly on the geometries provided by the customer and using rheological and mechanical characterisations obtained under real-life conditions of use.



### Research & development

LATI supplies compounds designed to meet customer needs. Each formulation is optimised to meet the requirements of the specific application. When necessary, completely new materials are created, thereby increasing the LATI product range.



### Moulding assistance

Processing special compounds and optimising their thermal, mechanical and dimensional performance demands specific skills and great care. For this reason, LATI places technicians with great experience of injection moulding (machines and moulds) at the disposal of its customers.



### Certifications & compliance

LATI has a team of experts ready to help its customers navigate the process of getting materials certified by globally accredited laboratories and bodies. In addition, the company itself issues certificates of compliance with all laws relevant to the market segments in which its thermoplastic compounds may be used.



LATI S.p.A. - Vedano Olona

**HEADQUARTER**

Via F. Baracca, 7

ITALY - 21040 - VEDANO OLONA (VA)

☎ +39-0332-409111

📠 +39-0332-409307

🌐 <https://www.lati.com>

✉ [marketing@it.lati.com](mailto:marketing@it.lati.com)

LATI S.p.A. - Gornate Olona

**MANUFACTURING**

Via delle Industrie, 1

ITALY - 21040 - GORNATE OLONA (VA)

☎ +39-0331-863111

📠 +39-0331-863520

🌐 <https://www.lati.com>

✉ [marketing@it.lati.com](mailto:marketing@it.lati.com)

Branch offices of LATI industria termoplastici S.p.A. are present in Usa, Europe and Asia.  
Find nearest office by visiting our site [www.lati.com](http://www.lati.com).

The values reported are based on tests performed on injection moulded laboratory samples, conditioned to standard, and represent data within the characteristic ranges of properties of uncoloured materials, unless otherwise indicated. Since these values are susceptible to variations, they do not represent a sufficient base to design any type of manufactured item and should not be used to establish any specification values. The properties of the moulded items can be influenced by many factors, like, but not limited to the presence of pigments, the project type, processing, post-treatment and environmental conditions and the use of regrind material in the moulding stage. Where the data are explicitly indicated as being interim, the ranges of the properties should be considered to be broader. This information and technical assistance are provided for the purpose of information only and are subject to change without notice. The client must always make sure they have the most updated version of the technical specifications.

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