



**polanvil**



## SUSPENSION POLYVINYL CHLORIDE FROM WŁOCŁAWEK

- modern production process based on a license from the Japanese company Shin-Etsu
- production guaranteeing the highest quality and repeatability
- basic component of material formulas



### ADVANTAGES

 thermoplastic properties

 high mechanical resistance

 resistance to many solvents

Quality parameters	Test methods according to		S-58	S-67 HBD	S-70
	national equivalent	European equivalent			
Reduced viscosity at 25°C, (ml/g)	PN-EN ISO 1628-2:2021-01	EN ISO 1628-2:2021-01	84 ± 3	110 ± 5	122 ± 4
K-value at 25°C	PN-EN ISO 1628-2:2021-01	EN ISO 1628-2:2021-01	58,5 ± 1,0	66,3 ± 1,3	69,5 ± 1,0
High bulk density, (g/ml)	PN-EN ISO 60:2011	EN ISO 60:2011	0,595 ± 0,025	0,585 ± 0,035	0,495 ± 0,025
Residue:					
0.250 mm, (%), max	PN-EN ISO 4610:2004	EN ISO 4610:2004	1	5	1
0.063 mm, (%), min			95	97	97
Volatile content, (%), max	PN-EN ISO 1269:2008 Method B	EN ISO 1269:2008 Method B	0,3	0,3	0,3
Mechanical contaminations content, (pieces / 100 squares), max	PN-EN ISO 1265:2008	EN ISO 1265:2008	15	15	15
Plasticizer absorption, (p.h.r.), min	PN-EN ISO 4608:1999	EN ISO 4608:1999	--	--	31
Thermal stability at 180°C, (s), min	DIN 53381:1983 p.1 Method A	DIN 53381:1983 p.1 Method A	70	70	70
Volume resistance at 30°C, (Ω cm), min	PN-EN 62631-1:2011	EN 62631-1:2011	--	--	1 x 10 <sup>14</sup>
Vinyl chloride content, (mg/kg), max	PN-EN ISO 6401:2005	EN ISO 6401:2005	1	1	0,5

### APPLICATION SECTORS

#### Construction

- construction profiles
- panels
- outlet pipes, pressure pipes, drainage pipes
- connectors, odour traps, gutters
- fitted carpets, skirting boards
- sealing strips
- tiles, wallpaper
- cable coatings and insulation of electric wires

#### Construction

- manufacture of construction profiles and panels
- sewage pipes, pressure pipes and drainage pipes
- gutters, connectors and odour traps
- fitted carpets, skirting boards, tiles, wallpaper, cables, conduits

#### Automotive industry

#### Medicine

#### Electrotechnical industry

Polanvil is also used in the automotive, electronics and aviation industries, as well as in manufacture of packaging.

#### Available types of polichloride

- S-58
- S-67 HBD
- S-70