

COMPOUNDS DESIGNED TO YOUR NEEDS

Company offer

GRUPA AZOTY COMPOUNDING HISTORY TIMELINE

1927



The State Nitrogen Compounds Plant in Tarnów-Mościce was established, one of the largest investments in newly independent Poland.

1957

Commissioning of caprolactam plant and semi-technical polyamide 6 plant.

1960s

Commissioning of polyvinyl chloride (PVC) plant. Increase in caprolactam production capacity.

1970s

Production of POM and PTFE on an experimental and pilot plant is launched.

Industrial scale launch of a new, original method for the production of cyclohexanone from benzene.

Increased caprolactam production capacity to 55 tt per day.

1980s

Modernisation of installations is carried out.

1994

Commissioning of POM installation.

1996

Commissioning of PA6 - plant I.

1990s

Experimental modifications of Tarnamid on the PA6 casing and tubing production lines, as well as on the caprolactam polymerization line.

2001

Commissioning of PA6 compounding line.

2006

Commissioning of POM compounding line.



2014

Registration of Grupa Azoty Compounding Sp. z o.o.

2019

Grupa Azoty Compounding begins production and sales of modified plastics.

2023

Commissioning of recycling processing plant (PIR).

Eintracht Frankfurt's stadium was the first in the world to be **equipped with eco-friendly stadium seats made from Tarnamid PIR**, a granulate that is more than **80% recycled**.

2024

Implementation of production planning and scheduling software - **ASPROVA APS** and **XPRIMER.MES** system.

2025

10 compounding lines for PA6, PA6.6, PP, POM, PBT.

Certificate **IATF 16949:2016**.



2008

Debut on the Stock Exchange.

2010

Acquisition of Unylon Polymers GmbH; Grupa Azoty ATT GmbH is established.

2011

Increase in caprolactam production capacity to 100 tonnes per day.

2010 - 2013



Consolidation of the major chemical synthesis operations. Grupa Azoty is formed.

2017

Commissioning of PA6 - plant II.



Tarnamid®

MODIFIED PA6

Tarnamid® is a high-quality engineering plastic based on polyamide 6 for injection molding. With the ability to precisely modify the compound through the addition of specialized additives, the material can be tailored to meet a wide range of technical and processing requirements. Available modifications include: improved mechanical properties, improved UV resistance, reduced flammability, thermal stabilization, optimized slip and performance of the plastic.

It is a reliable solution for the automotive, electrical, construction, furniture, railroad and home appliance industries. Combining versatility with durability, it is ideal for demanding industrial applications.

Tarnamid® - GF reinforced

Tarnamid® T-27 GF10-60	Containing 10-60% glass fibre, with the choice of fibre content precisely altering mechanical properties.
Tarnamid® T-27 GF GT	Glass fibre-reinforced, characterised by dimensional stability, reduced shrinkage and enhanced surface aesthetics.

Tarnamid® - GF/GB reinforced or hybride

Tarnamid® T-27 GB15-30	Containing 15-30% glass beads, providing high hardness, stiffness and dimensional stability.
Tarnamid® T-27 GF10 GB20 Tarnamid® T-27 GF20 GB10	Containing an optimised blend of fibre and glass beads to achieve desired mechanical properties.

Tarnamid® - GF/MF reinforced or hybride

Tarnamid® T-27 MT10-40	Containing 10-40% talc for the production of technical articles with high dimensional stability, rigidity, hardness and low susceptibility to warping.
Tarnamid® T-27 GF15 MW25 Tarnamid® T-27 GF10 MT20	Glass fibre-reinforced with increased stiffness and dimensional stability, designed for products with reduced deformation and high surface quality. Includes grades with an optimal mix of glass fibre and mineral.
Tarnamid® T-27 GF AT	Characterised by enhanced stiffness and mechanical strength, with high dimensional stability and hardness.

Tarnamid® - flame retardant, unreinforced

Tarnamid® T-27 MCS 850 Tarnamid® T-27 MCS V2	Grades with halogen-free flame retardants, offering increased flame resistance up to 850 °C for 2mm thickness, per EN-60695-2-1 or V2 flammability class under UL 94. Emit lower smoke levels and do not produce toxic gases when burning.
Tarnamid® T-27 MCS V0	Characterised by enhanced stiffness and mechanical strength, with high dimensional stability and hardness.

Tarnamid® - flame retardant, reinforced with GF

Tarnamid® T-27 GF FR850 Tarnamid® T-27 GF FR V2	Containing glass fibre and flame retardants, which emit low smoke and do not release toxic gases when burning.
Tarnamid® T-27 GF FR V0	Grades that are free from halogen compounds, red phosphorus and asbestos, reinforced with glass fibre and flame-retardant to V0 class. They do not emit toxic gases when burning.
Tarnamid® T-27 GF V0 Tarnamid® T-27 GF25-30 FR850	Flame-retardant, glass fibre-reinforced containing halogen compounds.

Tarnamid® - unreinforced, UV stabilized & weather resistance, transparent

Tarnamid® T-27 MS Tarnamid® T-30 MS	A natural-colored with an anti-adhesion additive to ease the release of molded parts from the mold. Suitable for injection molding.
Tarnamid® T-27 MCS Tarnamid® T-27 MSK	Coloured designed for manufacturing parts by injection molding.
Tarnamid® T-27 MHLS Tarnamid® T-30 MHLS	Containing light and heat stabiliser, suitable for parts exposed to environmental conditions.
Tarnamid® T-27 EHS	Containing heat stabiliser.
Tarnamid® T-30 EHS H2	Grade containing high temperature resistant heat stabilizer.
Tarnamid® T-27 MTR Tarnamid® T-27 MTR40	For the production of thin-walled parts with high transparency.

Tarnamid®

MODIFIED PA6

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Tarnamid® - impact modified, hybride reinforced with GF

Tarnamid® T-27 MCS I Tarnamid® T-27 MCS I8	Grades with improved/high dry impact resistance.
Tarnamid® T-27 MCS HI	Grade with very high impact resistance.
Tarnamid® T-27 Z1 Tarnamid® T-27 Z2 - Z4	Grades with increased impact resistance, including in sub-zero temperatures (down to -40 °C).
Tarnamid® T-27 HIP Tarnamid® T-30 HIP	For parts requiring very high impact resistance, also at temperature, including in cold conditions (down to -40 °C), frost resistant types.
Tarnamid® T-27 GF15-40 I Tarnamid® T-27 GF15 Z	Containing 15-40% glass fibre and an impact modifier, for items with increased impact resistance.
Tarnamid® T-27 GF I GT	Glass fibre-reinforced, impact-modified for production of technical parts with improved impact resistance and surface aesthetics.

Tarnamid® - improve slip properties, reinforced with GF, hybride

Tarnamid® T-27 TF10-20	Grade with improved sliding properties through the addition of PTFE.
Tarnamid® T-27 GF30 TF15	Glass fibre-reinforced with PTFE.
Tarnamid® T-27 M Tarnamid® T-27 MRS	Containing molybdenum disulphide, for high-requirement products, improved sliding properties.
Tarnamid® T-27 GF M	Glass fibre-reinforced, with molybdenum disulfide for high stiffness and mechanical strength in injection molding with improved sliding.
Tarnamid® T-27 P	Containing graphite for the products with high strength requirements.

Tarnamid® - antistatic and electrically conductive

Tarnamid® T-27 CF10-40	Grades with 10-40% carbon fibre, heat stabilizer and a release agent.
Tarnamid® T-27 CF HI	Carbon fibre with enhanced impact resistance.
Tarnamid® T-27 CF V0	Containing carbon fibre and flame retardants.

Tarnamid® - Post Industrial Recycling

Tarnamid® T-27 PIR	Material made entirely or partially from recycled materials (Post Industrial Recycling). PIR plastics customizable to individual needs, including glass fibre or mineral modifications.
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Tarnoprop®

MODIFIED PP

Tarnoprop®

MODIFIED PP

Tarnoprop® is a product line of compounds produced from polypropylene, in available homopolymer (PP-H) and copolymer (PP-C) varieties. By using suitable process additives such as fibreglass and mineral fillers, Tarnoprop® achieves increased mechanical strength, improved stiffness and dimensional stability. These features make it ideal for the production of components used in automotive, electrical engineering and other industries.

Tarnoprop® GF	Containing glass fibre on a copolymer or homopolymer PP base.
Tarnoprop® MT Tarnoprop® MW Tarnoprop® MK	Containing minerals such as talc, chalk, mica or wollastonite to achieve adequate dimensional stability and rigidity.
Tarnoprop® HG	Based on homopolymer PP with mineral filler for increased specific gravity (density).
Tarnoprop® VO Tarnoprop® GF VO	Flame-retardant, rated VO, with or without glass fibre reinforcement.
Tarnoprop® PIR	Containing 15-40% glass fibre and an impact modifier, providing enhanced impact resistance.

Tarnamid® A3

MODIFIED PA6.6

Tarnamid® A3 is a product line based on polyamide 6,6 for injection molding. This material is characterized by excellent thermal properties and high chemical resistance, even at elevated temperatures. As an engineering plastic, it is particularly dedicated to applications where very good mechanical strength is required. It is characterized by a lower capacity for water absorption than polyamide 6. Available modifications include, but are not limited to: improvement of mechanical properties, reduction of flammability, thermal stabilization, optimization of slip and performance of the plastic.

Tarnamid® A3 - grades

Tarnamid® A3 S	Basic grade natural or coloured, with an anti-adhesion additive to facilitate the release of moulded parts from the mould. Designed for the manufacture of parts by injection moulding.
Tarnamid® A3 GF	Glass fibre reinforced grades - intended for the manufacture of products with increased mechanical strength and rigidity, especially in automotive, electrical engineering.
Tarnamid® A3 GB	Grade containing a glass bead addition of 10-30%, the details are characterised by high hardness, stiffness and dimensional stability.
Tarnamid® A3 HI	Grade with very high impact resistance.
Tarnamid® A3 GF I Tarnamid® A3 GB I	Containing glass fibre or glass beads and an impact modifier, for the manufacture of articles with increased impact resistance.
Tarnamid® A3 V0 Tarnamid® A3 GF V0 Tarnamid® A3 GF FR V0	Flame-retardant and/or fibre-reinforced grades.
Tarnamid® A3 M Tarnamid® A3 GF M Tarnamid® A3 GF TF Tarnamid® A3 GF P/G	Grades characterised by increased stiffness and strength mechanical, for injection moulding with improved sliding properties through the introduction of additives such as disulphide molybdenum, PTFE, graphite.
Tarnamid® TS	Glass fibre-modified, impact-modified and reinforced, flame retardant PA6.6/PA6 blends.

Alphalon®

POLYAMIDE 6

Alphalon® is a product based on natural polyamide 6 and high-quality surface-modified grades. Available grades are in a wide range of relative viscosity RV 2.4-4.0. It is used in the production of films for the packaging industry, monofilaments and as a construction material for the automotive, electrical and household goods industries, among others.

Product name	Relative viscosity (RV)	Viscosity number ml/g	Applications
Alphalon® 24	2,4	125	compounding
Alphalon® 25	2,5	135	compounding
Alphalon® 27	2,7	150	BCF, fibres, monofilaments
Alphalon® 27 C	2,7	150	compounding
Alphalon® 27 D	2,7	150	compounding, monofilaments
Alphalon® 33	3,3	195	BOPA film, monofilaments
Alphalon® 36	3,6	218	cast film
Alphalon® 38	3,8	235	blown film, monofilaments, casings
Alphalon® 40	4,0	250	blown film, casings
Alphalon® 33 L	3,3	195	BOPA film, monofilaments
Alphalon® 36 L	3,6	218	cast film, monofilaments
Alphalon® 36 LN	3,6	218	cast film
Alphalon® 40 L	4,0	250	blown film, monofilaments, casings
Alphalon® 40 LN	4,0	250	cast and blown films

Tarnodur A[®]

MODIFIED PBT

Tarnodur[®] A is a trade name for polybutylene terephthalate (PBT), which belongs to the group of thermoplastic polyesters. Due to its excellent mechanical properties, high dimensional stability and chemical resistance, this material is widely used in various industries. Its unique properties make it a material often chosen for the production of key components, especially for technical applications with high requirements. Available modifications include enhancement of mechanical properties, reduction of flammability and thermal stability, among others.

Tarnodur A [®] S	Grade with improved/high dry impact resistance.
Tarnodur A [®] GF	Grade with very high impact resistance.
Tarnodur A [®] GF I	Grades with increased impact resistance even at freezing temperatures (down to -40 °C).
Tarnodur A [®] U Tarnodur A [®] GF U	For parts requiring very high impact resistance at low temperatures (down to -40 °C), frost-resistant types are available.
Tarnodur A [®] HI	Containing 15-40% glass fibre and an impact modifier, for manufacturing parts with increased impact resistance.

POM C

POM C is a durable engineering plastic with high rigidity and abrasion resistance, designed for precision components operating under load. It is characterised by a low coefficient of friction, good dimensional stability and resistance to moisture and chemicals. It is used, amongst other things, in the manufacture of gears, bushings, guides, rollers and machine components in industry, the automotive sector and the food industry.

Product name	MFR (190°C/2,16kg) [g/10 min]		
POM M25 NAT	2,5	An injection moulding process for the production of parts used in the automotive, engineering (machine parts), electronics and household appliances industries, etc.	
POM M90 NAT	9		
POM M120 NAT	13		
POM M270 NAT	29		
POM C9 BK	9		
POM C14 BK	13		
POM C9 LM BK	9		
POM C9 UV BK	9		An injection-moulded grade offering maximum protection against UV-induced degradation. Designed for the manufacture of components used in various industrial sectors, particularly the automotive industry.
POM C27 UV BK	27		
POM C - GF reinforced			
POM C9 GF10-40	-	Grades reinforced with 10% to 40% high-strength, high-stiffness glass fibre, which also offers reduced processing shrinkage and a lower coefficient of thermal expansion.	
POM C - GF/GB reinforced			
POM C9 GB10-40	-	Grades filled with 10% to 40% glass beads, offering increased hardness and stiffness, as well as reduced processing shrinkage.	
POM C - hybride			
POM C9 GF20 TF15 NAT	-	Varieties reinforced with high-strength, high-stiffness glass fibre, and modified with PTFE to improve tribological properties. Hybrid varieties may contain varying proportions of fibre and PTFE.	
POM C9 GF30 TF10 NAT	-		
POM C - sliding properties			
POM C9 TF5 -20 NAT/BK	9	Grades designed for the injection moulding of products with reduced friction and wear properties, such as gear wheels, plain bearings, etc.	
POM C9 M LE BK	8,5	A grade containing molybdenum disulphide to minimise friction and wear, with a low formaldehyde content. For the manufacture of components used in sliding systems under high loads and at low sliding speeds.	

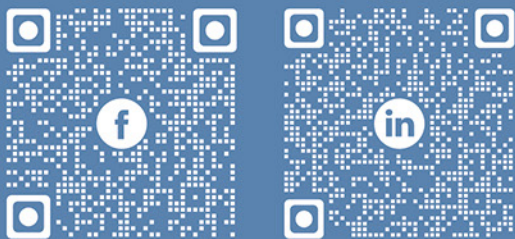
We specialize in creating innovative solutions using environmentally friendly materials.

Our offerings are not limited to hundreds of standard varieties available at short notice, but also include customizing materials for specific applications or creating dedicated products tailored to customer requirements.

We are certified to the **IATF 16949:2016** standard.

In order to ensure a repeatable product at the highest global level and to continuously expand and improve our offer, we cooperate closely with the Plastics Application Design and Development Center of Grupa Azoty S.A.

The Center operates on the basis of a certified integrated quality, environmental and safety management system according to **ISO 9001, 14001, 45001, 17025**.



Grupa Azoty Compounding Sp. z o.o.
Chemiczna 118
33-101 Tarnów, Poland
tel: +48 14 637 33 10
email: compounding@grupaazoty.com

compounding.grupaazoty.com