Tarnamid® T-27 GF30 V0

Polyamide 6

Grupa Azoty S.A.

Message:

Tarnamid®T-27 GF30 V0 is a polyamide 6 (nylon 6) material, and the filler is 30% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.
Tarnamid®The main features of T-27 GF30 V0 are:
flame retardant/rated flame
chemical resistance
Flame Retardant
Impact modification
high hardness
Typical application areas include:
Automotive Industry
engineering/industrial accessories
safety equipment
packing
Electrical/electronic applications

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight
Additive	Impact modifier
Features	Impact modification
	Low friction coefficient
	Optical
	Shock absorption
	Solvent resistance
	Impact resistance, high
	Good strength
	Good wear resistance
	Good chemical resistance
	alkali resistance
	Fatigue resistance
	Heat resistance, high
	acid resistance
	Compliance of Food Exposure
	High hardness
	Medium hardness
	Flame retardancy
Uses	Safety helmet
	Bar
	monofilament
	Engineering accessories

Pipe fittings

Machine/mechanical parts

Furniture

Household goods

Connector

Parts under the hood of a car

Automotive Electronics

Car interior parts

Automotive exterior parts

Food packaging

Sporting goods

Profile

Reinforced panel

Forms	Particle
Processing Method	Injection molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.64	--	g/cm^3	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	40	--	g/10 min	ISO 1133
Molding Shrinkage	0.20	1.4	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.50	--	%	ISO 62
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	240	--	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	10000	--	MPa	ISO 527-2
Tensile Stress (Yield)	160	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Modulus	9000	--	MPa	ISO 178
Flexural Stress (3.5% Strain)	230	--	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	12	--	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength	60	--	kJ/m^2	ISO 179/1eU
Notched Izod Impact	14	--	kJ/m^2	ISO 180
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	--	°C	ISO 75-2/A
Vicat Softening Temperature	210	--	°C	ISO 306/B50
Flammability	**Dry**	**Conditioned**		**Test Method**

Flame Rating (3.20 mm)	V-0	--	UL 94

Additional Information
干燥 Glow Wire Resistance, PN-EN-60695-2-1, 2mm: 960Note: All electrical properties were tested in accordance with the IEC test standard.

Injection	Dry	Unit
Drying Temperature	80.0 - 100	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	250 - 290	°C
Mold Temperature	80.0 - 120	°C
Injection Pressure	80.0 - 130	MPa
Injection Rate	Moderate	

Recommended distributors for this material

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