Tarnamid® T-27 MK30

Polyamide 6

Grupa Azoty S.A.

Message:

Tarnamid® T-27 MK30 is a Polyamide 6 (Nylon 6) material filled with 30% mineral. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of Tarnamid® T-27 MK30 are:
Chemical Resistant
Fatigue Resistant
Flame Retardant
Food Contact Acceptable
Good Aesthetics
Typical applications include:
Automotive
Engineering/Industrial Parts
Construction Applications
Electrical/Electronic Applications
Fabrics/Fibers

General Information	
Filler / Reinforcement	Mineral,30% Filler by Weight
Features	Acid Resistant
	Base Resistant
	Fatigue Resistant
	Flame Retardant
	Food Contact Acceptable
	Good Abrasion Resistance
	Good Chemical Resistance
	Good Dimensional Stability
	Good Strength
	High Hardness
	High Heat Resistance
	High Impact Resistance
	High Stiffness
	Low Friction
	Medium Rigidity
	Opticals
	Solvent Resistant
	Vibration Damping
Uses	Automotive Electronics
	Automotive Exterior Parts
	Automotive Interior Parts
	Automotive Under the Hood

Connectors

Food Packaging

Furniture

Household Goods

Machine/Mechanical Parts

Monofilaments

Profiles

Reinforced Panels

Rods

Safety Helmets

Sporting Goods

Tubing

Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.35	g/cm^3	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	60	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	200	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	4000	MPa	ISO 178
Flexural Stress (3.5% Strain)	110	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	5.0	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength	45	kJ/m^2	ISO 179/1eU
Notched Izod Impact Strength	5.0	kJ/m^2	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	250 to 290	°C	
Mold Temperature	80.0 to 120	°C	
Injection Pressure	80.0 to 130	MPa	

Injection Rate	Moderate

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China