

Tarnamid® T-27 MRS

Polyamide 6

Grupa Azoty S.A.

Message:

Tarnamid® T-27 MRS is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Tarnamid® T-27 MRS are:

- Chemical Resistant
- Wear Resistant
- Fatigue Resistant
- Flame Retardant
- Food Contact Acceptable

General Information			
Additive	Molybdenum Disulfide Lubricant		
Features	Acid Resistant		
	Base Resistant		
	Fatigue Resistant		
	Flame Retardant		
	Food Contact Acceptable		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Strength		
	Good Wear Resistance		
	High Hardness		
	High Heat Resistance		
	High Impact Resistance		
	Low Friction		
	Medium Rigidity		
	Opticals		
	Solvent Resistant		
	Vibration Damping		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	100	g/10 min	ISO 1133
Molding Shrinkage	0.90	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.8	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	140	MPa	ISO 2039-1

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	45	%	ISO 527-2
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Injection	Nominal Value	Unit	Test Method
Drying Temperature	80.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	80.0 to 130	MPa	
Injection Rate	Fast		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

