

Tarnamid® T-27 MHLs

PA6

Grupa Azoty S.A.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	100 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	1.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Ball indentation hardness	150 / 75	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	60 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	195 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	90 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.5 / 4.2	-	IEC 62631-2-1
Dissipation factor, 1MHz	180 / 1000	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Electric strength	30 / 24	kV/mm	IEC 60243-1
Comparative tracking index	600 / 600	-	IEC 60112
Other properties			
Water absorption	9.5 / *	%	Sim. to ISO 62
Humidity absorption	3 / *	%	Sim. to ISO 62
Density	1140 / -	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules, Black, White

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Applications

Automotive, Building Construction, Electrical and Electronical

Regional Availability

Europe