

Tarnamid® T-27 MT30

PA6-MX30

Grupa Azoty S.A.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	60 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	7000 / 4400	MPa	ISO 527
Tensile Strength	75 / 50	MPa	ISO 527
Strain at break	4 / 4	%	ISO 527
Flexural modulus, 23°C	5900 / 3300	MPa	ISO 178
Charpy impact strength, +23°C	45 / 50	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	40 / 40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3 / 3.5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3 / 3	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	5 / -	kJ/m ²	ISO 180/1A
Ball indentation hardness	160 / 105	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	120 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	200 / *	°C	ISO 306
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.9 / -	-	IEC 62631-2-1
Dissipation factor, 1MHz	700 / -	E-4	IEC 62631-2-1
Volume resistivity	1E10 / -	Ohm*m	IEC 62631-3-1
Electric strength	24 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
Density	1350 / -	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules, Black, Natural Color

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