

TITAN A12X8

PA*

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Stress at break	75	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus, 23°C	4500	MPa	ISO 178
Flexural strength	160	MPa	ISO 178
Izod notched impact strength, +23°C	6.5	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	250	°C	ISO 11357-1/-3
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Other properties			
Density	1170	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.12	%	-
Melt temperature	260 - 280	°C	-
Mold temperature	20 - 30	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe