

TERMIX D 431

PA12

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	4500	MPa	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	4100	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Izod impact strength, +23°C	25	kJ/m ²	ISO 180/1U
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	178	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	40	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	120	°C	ISO 75-1/-2
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Optical properties			
ISO Data			
Haze	100	-	ISO 14782
Other properties			
Density	1150	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	6	h	-
Processing humidity	≤0.08	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	80 - 100	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

Thermally Conductive