

Larton MDT16-02

Polyphenylene Sulfide

LATI S.p.A.

Message:

Polyphenylene Sulphide (PPS) based compound.

Magnetic detectable filler. Very good chemical resistance. Very good thermal properties. Low smoke density and low toxicity index.

General Information			
Filler / Reinforcement	Filler		
Features	Good Chemical Resistance		
	Low Smoke Emission		
Physical	Nominal Value	Unit	Test Method
Density	2.77	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.35 to 0.50	%	
Flow : 2.00 mm	0.35 to 0.50	%	
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	14500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	180	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290 to 310	°C	
Mold Temperature	130 to 140	°C	
Injection Rate	Moderate-Fast		
NOTE			

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