Larton CE/60

Polyphenylene Sulfide

LATI S.p.A.

Message:

Compound based on Polyphenylene Sulphide (PPS).
UL94 V-0 classified, halogens free. Mineral filler.
Very good chemical resistance. Very good thermal resistance. Low smoke toxicity index and optical density.

General Information	
Filler / Reinforcement	Mineral,60% Filler by Weight
Features	Good Chemical Resistance
	Halogen Free
	Low (to None) Phosphorus Content
	Medium Heat Resistance

Physical	Nominal Value	Unit	Test Method
Density	1.87	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.30 to 0.60	%	
Flow : 2.00 mm	0.30 to 0.60	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	11500	MPa	
60°C	9900	MPa	
90°C	9100	MPa	
120°C	7600	MPa	
150°C	4200	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	70.0	MPa	
Break, 60°C	65.0	MPa	
Break, 90°C	55.0	MPa	
Break, 120°C	35.0	MPa	
Break, 150°C	30.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	0.50	%	
Break, 60°C	0.80	%	
Break, 90°C	1.2	%	
Break, 120°C	1.7	%	
Break, 150°C	1.9	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	2.0	kJ/m²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	5.0	kJ/m^2	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	15	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	240	°C	ISO 75-2/B
1.8 MPa, Unannealed	160	°C	ISO 75-2/A
Continuous Use Temperature [2]	200	°C	
Vicat Softening Temperature	250	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	5.0E-6	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index [3] (Solution A)	175	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Oxygen Index	44	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290 to 330	°C	
Mold Temperature	130 to 140	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

Recommended distributors for this material

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