

Latigloss 57 G/60 F2

Polyphthalamide

LATI S.p.A.

Message:

Glass fibres. Potentially suitable for food/medical contact application.

General Information	
Filler / Reinforcement	Glass Fiber,50% Filler by Weight
Features	Good Surface Finish
Uses	Medical/Healthcare Applications
	Non-specific Food Applications
Agency Ratings	ACS Unspecified Rating
	DVGW W270
	KTW Unspecified Rating
	NSF 61
	WRAS Unspecified Rating

Physical	Nominal Value	Unit	Test Method
Density	1.77	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.25 to 0.45	%	
Flow : 2.00 mm	0.15 to 0.25	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	25000	MPa	
60°C	23500	MPa	
90°C	21500	MPa	
120°C	15500	MPa	
150°C	6000	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	290	MPa	
Break, 60°C	250	MPa	
Break, 90°C	210	MPa	
Break, 120°C	130	MPa	
Break, 150°C	70.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	1.6	%	
Break, 60°C	1.7	%	
Break, 90°C	1.9	%	

Break, 120°C	3.0	%	
Break, 150°C	4.5	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	285	°C	ISO 75-2/B
1.8 MPa, Unannealed	260	°C	ISO 75-2/A
Continuous Use Temperature ²	150	°C	
Vicat Softening Temperature	260	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.0E-6	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	310 to 340	°C	
Mold Temperature	150 to 170	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

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