

Latigloss 66 H2 G/50 F2

Polyamide 66

LATI S.p.A.

Message:

Product with high mechanical properties and exceptional surface finish based on Polyamide 66 (PA66). Heat stabilised. Glass fibres. Potentially suitable for food/medical contact application.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight
Additive	heat stabilizer
Features	Thermal Stability
	Compliance of Food Exposure

Uses	Non-specific food applications
	Medical/nursing supplies

Physical	Dry	Conditioned	Unit	Test Method
Density	1.57	--	g/cm ³	ISO 1183
Molding Shrinkage ¹				ISO 294-4
Transverse flow: 2.00mm	0.65 - 0.90	--	%	ISO 294-4
Flow: 2.00mm	0.30 - 0.60	--	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.27	--	%	ISO 62

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2/1
--	--	10000	MPa	ISO 527-2/1
23°C	16000	--	MPa	ISO 527-2/1
60°C	12000	--	MPa	ISO 527-2/1
90°C	7000	--	MPa	ISO 527-2/1
120°C	5000	--	MPa	ISO 527-2/1
150°C	4000	--	MPa	ISO 527-2/1
Tensile Stress				ISO 527-2/5
Fracture	--	145	MPa	ISO 527-2/5
Fracture, 23°C	230	--	MPa	ISO 527-2/5
Fracture, 60°C	175	--	MPa	ISO 527-2/5
Fracture, 90°C	125	--	MPa	ISO 527-2/5
Fracture, 120°C	95.0	--	MPa	ISO 527-2/5
Fracture, 150°C	70.0	--	MPa	ISO 527-2/5
Tensile Strain				ISO 527-2/5
Fracture	--	3.5	%	ISO 527-2/5
Fracture, 23°C	2.8	--	%	ISO 527-2/5

Fracture, 60°C	3.2	--	%	ISO 527-2/5
Fracture, 90°C	6.7	--	%	ISO 527-2/5
Fracture, 120°C	7.5	--	%	ISO 527-2/5
Fracture, 150°C	8.0	--	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	85	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	255	--	°C	ISO 75-2/B
1.8 MPa, not annealed	235	--	°C	ISO 75-2/A
Continuous Use Temperature ²	130	--	°C	
Vicat Softening Temperature	250	--	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	7.0E-6	--	cm/cm/°C	ISO 11359-2
Additional Information	Dry	Conditioned		
Dimensional Stability	66.0	--		
NOTE				
1.	60 MPa			
2.	20000 hr			

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