

LATIGLOSS 57 G/40 F1

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyphthalamide*
General Information
Product Description

Product with high mechanical properties and exceptional surface finish based on Semi-aromatic polyamide (PPA). Glass fibres. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber		
Features	• PFAS Free	• Pleasing Surface Appearance	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.52	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.60 to 0.85	%	
Flow : 0.0787 in	0.20 to 0.40	%	
Water Absorption ³ (Saturation, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	2.10E+6	psi	
140°F	1.86E+6	psi	
194°F	1.67E+6	psi	
248°F	1.31E+6	psi	
302°F	653000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	31900	psi	
Break, 140°F	29000	psi	
Break, 194°F	26100	psi	
Break, 248°F	19600	psi	
Break, 302°F	11600	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.2	%	
Break, 140°F	2.3	%	
Break, 194°F	2.5	%	
Break, 248°F	4.0	%	
Break, 302°F	8.5	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	29	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	563	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	536	°F	ISO 75-2/A
Vicat Softening Temperature	509	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	8.3E-6	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.2E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method



Surface Resistivity	1.0E+12 ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	580 V/mil	ASTM D149
Flammability	Nominal Value	Unit
Flame Rating		UL 94
0.030 in		HB
0.06 in		HB
0.12 in		HB

Notes

¹ Typical properties: these are not to be construed as specifications.

² 60 MPa

³ in air

