

LATILON 28D G/30

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

Compound based on Polycarbonate (PC). Glass fibres. Low smoke density and low toxicity index. High dimensional stability. 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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.41	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.35 to 0.55	%	
Flow : 0.0787 in	0.15 to 0.35	%	
Water Absorption ³ (Saturation, 73°F)	0.12	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.16E+6	psi	
140°F	1.09E+6	psi	
194°F	1.02E+6	psi	
248°F	928000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	16000	psi	
Break, 140°F	13800	psi	
Break, 194°F	11600	psi	
Break, 248°F	8700	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.4	%	
Break, 140°F	1.8	%	
Break, 194°F	1.8	%	
Break, 248°F	1.6	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	3.3	ft·lb/in ²	
73°F	5.7	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	14	ft·lb/in ²	
73°F	21	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	284	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	275	°F	ISO 75-2/A
Vicat Softening Temperature	293	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.1E-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))	560 V/mil	ASTM D149
Comparative Tracking Index ⁴ (Solution A)	150 V	IEC 60112
Flammability	Nominal Value	Unit
Flame Rating (0.06 in)	V-1	UL 94
Oxygen Index	31 %	ASTM D2863

Notes

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

² 60 MPa

³ in air

⁴ Without surfactant

