

**LATILON 28D G/20**

 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.

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.33	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.50 to 0.80	%	
Flow : 0.0787 in	0.20 to 0.40	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	0.13	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	841000	psi	
140°F	769000	psi	
194°F	725000	psi	
248°F	696000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	14500	psi	
Break, 140°F	12300	psi	
Break, 194°F	10200	psi	
Break, 248°F	7980	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	3.2	%	
Break, 140°F	3.0	%	
Break, 194°F	2.8	%	
Break, 248°F	2.6	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	19	ft·lb/in <sup>2</sup>	ISO 179/1eU
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))	510	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-1		UL 94
Oxygen Index	33	%	ASTM D2863

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 60 MPa

<sup>3</sup> in air
