

**LATILON 28D K/20**

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

Compound based on Polycarbonate (PC). Carbon fibres. PFAS-free product.

**General**

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

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density (73°F)	1.27	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.30 to 0.50	%	
Flow : 0.0787 in	0.10 to 0.25	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	0.13	%	ISO 62
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus (73°F)	1.78E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	19600	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.1	%	ISO 527-2/5
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	14	ft·lb/in <sup>2</sup>	ISO 179/1eU
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
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)	5.6E-6	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.2E-5	in/in/°F	ISO 11359-2
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Surface Resistivity	1.0E+3	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	76	V/mil	ASTM D149

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

<sup>2</sup> 60 MPa

<sup>3</sup> in air
