

**LATIOHM 66-03 PD03 G/20**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

## General Information

**Product Description**

Semiconductive/dissipative product based on Polyamide 66 (PA 66). 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	• Antistatic • Electrically Conductive • PFAS Free

 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	0.90 to 1.3	%	
Flow : 0.0787 in	0.30 to 0.60	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.78E+6	psi	
140°F	1.32E+6	psi	
194°F	1.09E+6	psi	
248°F	740000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	26800	psi	
Break, 140°F	20300	psi	
Break, 194°F	17400	psi	
Break, 248°F	13100	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.5	%	
Break, 140°F	3.6	%	
Break, 194°F	5.1	%	
Break, 248°F	5.9	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	26	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	491	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	473	°F	ISO 75-2/A
Vicat Softening Temperature	482	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.1E-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+3	ohms	ASTM D257

## Notes

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

<sup>2</sup> 60 MPa
