

**LATIOHM 62-09 PD01 G/20-V2HF**

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
**General Information**
**Product Description**

Semiconductive/dissipative product based on Polyamide 6 (PA 6). Glass fibres. Flame retardant, UL94 V-2 class, free of halogens-based flame retardants and red phosphorous. Very good mechanical properties. Low smoke density and low toxicity index. PFAS-free product.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant		
Features	• Antistatic • Electrically Conductive	• Flame Retardant • Halogen Free	• Low (to None) Phosphorus Content • PFAS Free

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

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.31	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	0.60 to 0.90	%	
Flow : 0.0787 in	0.30 to 0.55	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	2.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.45E+6	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	17400	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.2	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.9	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	ft·lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	428	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	401	°F	ISO 75-2/A
Vicat Softening Temperature	410	°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)	3.6E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+3	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		V-2	
0.06 in		V-2	
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1760	°F	
0.08 in	1760	°F	
Glow Wire Ignition Temperature (0.08 in)	1430	°F	IEC 60695-2-13

**Notes**

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

<sup>2</sup> 60 MPa

