

**LATIOHM 63-08UV PD02 G/30**

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

Semiconductive/dissipative product based on Polyamide 6 (PA 6). UV stabilised. Glass fibres. PFAS-free product. Hygroscopic material: check suitability for the part.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber		
Additive	• UV Stabilizer		
Features	• Antistatic	• PFAS Free	
	• Electrically Conductive	• UV Stabilized	

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
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	0.70 to 0.90	%	
Flow : 0.0787 in	0.70 to 0.90	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	1.8	%	ISO 62
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus (73°F)	653000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	9430	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	3.4	%	ISO 527-2/5
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	7.1	ft·lb/in <sup>2</sup>	
73°F	14	ft·lb/in <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	40	ft·lb/in <sup>2</sup>	
73°F	36	ft·lb/in <sup>2</sup>	
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (66 psi, Unannealed)	365	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	320	°F	ISO 75-2/A
Vicat Softening Temperature	284	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	3.3E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.6E-5	in/in/°F	ISO 11359-2
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Surface Resistivity	5.0E+8	ohms	ASTM D257
Comparative Tracking Index <sup>4</sup> (Solution A)	500	V	IEC 60112
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1250	°F	
0.08 in	1250	°F	
Glow Wire Ignition Temperature (0.08 in)	1290	°F	IEC 60695-2-13
Oxygen Index	25	%	ASTM D2863

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