

**LATIOHM 62-09 UV PD02-GWHF**

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

Semiconductive/dissipative product based on Polyamide 6 (PA 6). UV stabilised. Heat stabilised. Improved GWFI compared to standard product. Free of halogens-based flame retardants. 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	
Additive	• Flame Retardant	• Heat Stabilizer	• UV Stabilizer
Features	• Antistatic	• Halogen Free	• PFAS Free
	• Electrically Conductive	• Heat Stabilized	• UV Resistant
	• Flame Retardant	• Low (to None) Phosphorus Content	• UV Stabilized

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density (73°F)	1.19	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup>			ISO 294-4
Across Flow : 0.0787 in	1.1 to 1.3	%	
Flow : 0.0787 in	1.0 to 1.3	%	
Water Absorption <sup>3</sup> (Saturation, 73°F)	2.4	%	ISO 62
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus (73°F)	334000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	5800	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	5800	psi	ISO 527-2/5
Tensile Strain (Yield, 73°F)	3.7	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	10	%	ISO 527-2/5
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength (73°F)	1.9	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
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (66 psi, Unannealed)	347	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	149	°F	ISO 75-2/A
Vicat Softening Temperature	329	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	5.0E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	5.0E-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+9	ohms	ASTM D257
Comparative Tracking Index <sup>4</sup> (Solution A)	600	V	IEC 60112
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.030 in	V-2		
0.06 in	V-2		
0.12 in	V-2		
Glow Wire Flammability Index			IEC 60695-2-12
0.04 in	1380	°F	
0.08 in	1760	°F	
Glow Wire Ignition Temperature (0.08 in)	1380	°F	IEC 60695-2-13



Oxygen Index	26 %	ASTM D2863
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### Notes

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

<sup>2</sup> 60 MPa

<sup>3</sup> in air

<sup>4</sup> without surfactant

