LATIOHM 62-09 UV PD02 G/35

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*

General Information

Product Description

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

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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.39	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.70 to 0.90	%	
Flow : 0.0787 in	0.70 to 0.90	%	
Water Absorption [3] (Saturation, 73°F)	1.8	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	725000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	8700	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	3.0	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	19	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	392	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	275	°F	ISO 75-2/A
Vicat Softening Temperature	374	°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
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	8.0E+8	ohms	ASTM D257

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 60 MPa

[3] in air