

LATIOHM 63-08UV PD02

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

Semiconductive/dissipative product based on Polyamide 6 (PA 6). UV stabilised. 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	• UV Stabilizer		
Features	• Antistatic	• PFAS Free	
	• Electrically Conductive	• UV Stabilized	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.10	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	1.8 to 2.1	%	
Flow : 0.0787 in	1.8 to 2.1	%	
Water Absorption ³ (Saturation, 73°F)	2.4	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	247000	psi	
140°F	60900	psi	
194°F	40600	psi	
248°F	29000	psi	
302°F	26100	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	5080	psi	
Yield, 140°F	1740	psi	
Yield, 194°F	1450	psi	
Yield, 248°F	1160	psi	
Yield, 302°F	1020	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	5800	psi	
Break, 140°F	3630	psi	
Break, 194°F	2900	psi	
Break, 248°F	2180	psi	
Break, 302°F	1740	psi	
Tensile Strain			ISO 527-2/5
Yield, 73°F	3.0	%	
Yield, 140°F	4.0	%	
Yield, 194°F	5.2	%	
Yield, 248°F	5.5	%	
Yield, 302°F	7.5	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	> 50	%	
Break, 140°F	> 50	%	
Break, 194°F	> 50	%	



Break, 248°F	> 50 %		
Break, 302°F	> 50 %		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	9.5	ft·lb/in ²	
-4°F	7.1	ft·lb/in ²	
73°F	38	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	48	ft·lb/in ²	
-4°F	No Break		
73°F	48	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	113	°F	ISO 75-2/A
Vicat Softening Temperature	275	°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
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	6.0E+8	ohms	ASTM D257

Notes

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

² 60 MPa

³ in air

