

LATIOHM 36-10 PD02 F3

LATI INDUSTRIA TERMOPLASTICI SPA - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

Dissipative product based on Acrylonitrile-Butadiene-Styrene copolymer (ABS). Potentially suitable for medical contact application. 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	
Features	• Antistatic	• Electrically Conductive	• PFAS Free
Uses	• Medical/Healthcare Applications		

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	0.45 to 0.65	%	
Flow : 0.0787 in	0.45 to 0.65	%	
Water Absorption ³ (Saturation, 73°F)	0.45	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	232000	psi	ISO 527-1/1
Tensile Stress (Yield, 73°F)	4350	psi	ISO 527-2/5
Tensile Stress (Break, 73°F)	No Break		ISO 527-2/5
Tensile Strain (Yield, 73°F)	3.9	%	ISO 527-2/5
Tensile Strain (Break, 73°F)	> 50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	7.1	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	176	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	149	°F	ISO 75-2/A
Vicat Softening Temperature	176	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+10	ohms	ASTM D257

Notes

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

² 60 MPa

³ in air

