

LATIOHM 53/7-01 PD12

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polypropylene Homopolymer*
General Information
Product Description

Semiconductive/dissipative product based on Polypropylene homopolymer (PPh). PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Antistatic • Electrically Conductive • Homopolymer • PFAS Free		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.19	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	1.2 to 1.6	%	
Flow : 0.0787 in	0.20 to 0.50	%	
Water Absorption ³ (Saturation, 73°F)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	754000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	5080	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	1.2	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.2	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	3.8	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	293	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	221	°F	ISO 75-2/A
Vicat Softening Temperature	266	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	5.6E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	8.0	ohms	ASTM D257

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

² 60 MPa

³ in air
