

LATIOHM 52/11-10 PD02 TES/30

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

Dissipative product based on Polypropylene homopolymer (PPh). Aesthetic talc. 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	
Filler / Reinforcement	• Talc		
Features	• Antistatic	• Homopolymer	
	• Electrically Conductive	• PFAS Free	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.17	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.90 to 1.2	%	
Flow : 0.0787 in	0.85 to 1.1	%	
Water Absorption ³ (Saturation, 73°F)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	334000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	2900	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	25	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.4	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	194	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	122	°F	ISO 75-2/A
Vicat Softening Temperature	158	°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)	5.3E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+9	ohms	ASTM D257

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

² 60 MPa

³ in air
