

LATIOHM 66-04 PD01 G/25-V0CT1

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*
General Information
Product Description

Semiconductive/dissipative product based on Polyamide 66 (PA 66). Glass fibres. Flame retardant, UL94 V-0 class, with brominated flame retardants, free of PBB/PBDE. High stiffness. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber
Additive	• Flame Retardant
Features	• Antistatic • Electrically Conductive • PFAS Free • Brominated • Flame Retardant

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.59	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.60 to 0.90	%	
Flow : 0.0787 in	0.30 to 0.55	%	
Water Absorption ³ (Saturation, 73°F)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	2.18E+6	psi	
140°F	1.55E+6	psi	
194°F	1.02E+6	psi	
248°F	711000	psi	
302°F	580000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	19600	psi	
Break, 140°F	14500	psi	
Break, 194°F	10200	psi	
Break, 248°F	7980	psi	
Break, 302°F	6530	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	1.7	%	
Break, 140°F	2.3	%	
Break, 194°F	2.7	%	
Break, 248°F	3.0	%	
Break, 302°F	3.6	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	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)	482	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	455	°F	ISO 75-2/A
Vicat Softening Temperature	464	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.1E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	2.8E-5	in/in/°F	ISO 11359-2



Electrical		Nominal Value	Unit	Test Method
Surface Resistivity		2.0E+2	ohms	ASTM D257
Flammability		Nominal Value	Unit	Test Method
Flame Rating				UL 94
0.030 in			V-0	
0.06 in			V-0	
0.12 in			V-0	
Oxygen Index		36	%	ASTM D2863

Notes

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

² 60 MPa

³ in air

