PolySource

LATAMID 66 H2 G/35
LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

General Information

Product Description

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Glass fibres. PFAS-free product.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber
Features	• Good Thermal Stability • PFAS Free

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.41	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.85 to 1.2	%	
Flow : 0.0787 in	0.25 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	1.45E+6	psi	
140°F	943000	psi	
194°F	798000	psi	
248°F	638000	psi	
302°F	580000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	26100	psi	
Break, 140°F	18900	psi	
Break, 194°F	15200	psi	
Break, 248°F	13100	psi	
Break, 302°F	11600	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	3.5	%	
Break, 140°F	6.0	%	
Break, 194°F	6.8	%	
Break, 248°F	7.0	%	
Break, 302°F	7.2	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	31	ft·lb/in²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	500	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	473	°F	ISO 75-2/A
Vicat Softening Temperature	482	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.4E-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	1.0E+12	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	530	V/mil	ASTM D149

Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature			IEC 60695-2-13
0.030 in	1290	°F	
0.06 in	1290	°F	

<div align="center">Notes</div>

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

[2] 60 MPa

[3] in air