LATAMID 66 H2E21 G/13

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

General Information

Product Description

Compound based on Polyamide 66 (PA 66). Improved thermal stabilisation. Toughened. Glass fibres. High impact resistance. Good impact resistance even at low temperature. PFAS-free product.

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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.17	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	1.0 to 1.3	%	
Flow : 0.0787 in	0.50 to 0.80	%	
Water Absorption [3] (Saturation, 73°F)	1.8	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	667000	psi	
140°F	537000	psi	
194°F	305000	psi	
248°F	247000	psi	
302°F	218000	psi	
Tensile Stress			ISO 527-2/5
Yield, 73°F	14500	psi	
Yield, 140°F	10200	psi	
Yield, 194°F	7980	psi	
Yield, 248°F	6530	psi	
Yield, 302°F	5800	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	14500	psi	
Break, 140°F	10200	psi	
Break, 194°F	7250	psi	
Break, 248°F	6530	psi	
Break, 302°F	5080	psi	
Tensile Strain			ISO 527-2/5
Yield, 73°F	3.5	%	
Yield, 140°F	3.8	%	
Yield, 194°F	7.5	%	
Yield, 248°F	8.0	%	
Yield, 302°F	9.0	%	
Tensile Strain			ISO 527-2/5
Break, 73°F	4.0	%	
Break, 140°F	6.5	%	

Break, 194°F	11	%	
Break, 248°F	12	%	
Break, 302°F	15	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-4°F	2.9	ft·lb/in²	
73°F	7.1	ft·lb/in²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-4°F	31	ft·lb/in²	
73°F	31	ft·lb/in²	
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)	446	°F	ISO 75-2/A
Vicat Softening Temperature	464	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	4.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	5.0E-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))	510	V/mil	ASTM D149

Notes

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

[2] 60 MPa

[3] in air