

Latamid 66 H2 G/30

Polyamide 66

LATI S.p.A.

PROSPECTOR®

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Technical Data

Product Description

Compound based on Polyamide 66 (PA 66).

Heat stabilised. Glass fibres. Product UL certified.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
UL Yellow Card ²	• E54080-243993 • E54080-244004		
Search for UL Yellow Card	• LATI S.p.A. • Latamid		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.36 g/cm ³	1.36 g/cm ³	ISO 1183
Molding Shrinkage ⁴			ISO 294-4
Across Flow : 0.0787 in (2.00 mm)	0.75 to 1.1 %	0.75 to 1.1 %	
Flow : 0.0787 in (2.00 mm)	0.35 to 0.65 %	0.35 to 0.65 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus			ISO 527-2/1
73°F (23°C)	1.36E+6 psi	9400 MPa	
140°F (60°C)	1.23E+6 psi	8500 MPa	
194°F (90°C)	1.07E+6 psi	7400 MPa	
248°F (120°C)	798000 psi	5500 MPa	
302°F (150°C)	638000 psi	4400 MPa	
Tensile Stress			ISO 527-2/5
Break, 73°F (23°C)	25400 psi	175 MPa	
Break, 140°F (60°C)	19600 psi	135 MPa	
Break, 194°F (90°C)	16000 psi	110 MPa	
Break, 248°F (120°C)	14500 psi	100 MPa	
Break, 302°F (150°C)	12300 psi	85.0 MPa	
Tensile Strain			ISO 527-2/5
Break, 73°F (23°C)	3.2 %	3.2 %	
Break, 140°F (60°C)	4.0 %	4.0 %	
Break, 194°F (90°C)	6.0 %	6.0 %	
Break, 248°F (120°C)	6.0 %	6.0 %	
Break, 302°F (150°C)	7.0 %	7.0 %	

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.8 ft·lb/in ²	10 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	40 ft·lb/in ²	85 kJ/m ²	ISO 179/1eU
Notched Izod Impact 73°F (23°C), 0.126 in (3.20 mm)	2.2 ft·lb/in	120 J/m	ASTM D256A

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	500 °F	260 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	464 °F	240 °C	ISO 75-2/A



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Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Continuous Use Temperature ⁵	266 °F	130 °C	
Vicat Softening Temperature	491 °F	255 °C	ISO 306/B50
CLTE - Flow (86 to 212°F (30 to 100°C))	4.4E-6 in/in/°F	8.0E-6 cm/cm/°C	ASTM D696

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	194 to 212 °F	90.0 to 100 °C
Drying Time	3.0 hr	3.0 hr
Processing (Melt) Temp	527 to 572 °F	275 to 300 °C
Mold Temperature	176 to 212 °F	80.0 to 100 °C
Injection Rate	Moderate	Moderate

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.

⁴ at 60 Mpa of cavity pressure

⁵ 20,000 hr



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Where to Buy

Supplier

LATI S.p.A.

VEDANO OLONA, VARESE Italy

Telephone: +39-332-409111

Web: <http://www.lati.com/>

Distributor

PolySource

Telephone: 866-558-5300

Web: <http://www.polysource.net/>

Availability: North America

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

Telephone: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

Availability: Turkey

