

Latamid 66 H2 G/25-V0KB

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. UL94 V-0 classified, with red phosphorous. Product UL certified.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
UL Yellow Card ²	• E54080-243992 • E54080-243999 • E54080-244002
Search for UL Yellow Card	• LATI S.p.A. • Latamid
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Additive	• Flame Retardant • Heat Stabilizer
Features	• Flame Retardant • Heat Stabilized

	Nominal Value (English)	Nominal Value (SI)	Test Method
Physical			
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)	0.85 to 1.2 %	0.85 to 1.2 %	
Flow : 0.0787 in (2.00 mm)	0.35 to 0.65 %	0.35 to 0.65 %	
Mechanical			
			ISO 527-2/1
Tensile Modulus			
73°F (23°C)	1.28E+6 psi	8800 MPa	
140°F (60°C)	1.13E+6 psi	7800 MPa	
194°F (90°C)	783000 psi	5400 MPa	
248°F (120°C)	682000 psi	4700 MPa	
302°F (150°C)	580000 psi	4000 MPa	
Tensile Stress			ISO 527-2/5
Break, 73°F (23°C)	21000 psi	145 MPa	
Break, 140°F (60°C)	16700 psi	115 MPa	
Break, 194°F (90°C)	12300 psi	85.0 MPa	
Break, 248°F (120°C)	10200 psi	70.0 MPa	
Break, 302°F (150°C)	8700 psi	60.0 MPa	
Tensile Strain			ISO 527-2/5
Break, 73°F (23°C)	3.0 %	3.0 %	
Break, 140°F (60°C)	3.8 %	3.8 %	
Break, 194°F (90°C)	5.0 %	5.0 %	
Break, 248°F (120°C)	6.0 %	6.0 %	
Break, 302°F (150°C)	6.0 %	6.0 %	
Impact			
			ISO 179/1eA
Charpy Notched Impact Strength (73°F (23°C))	4.8 ft·lb/in ²	10 kJ/m ²	ISO 179/1eU
Charpy Unnotched Impact Strength			
73°F (23°C)	33 ft·lb/in ²	70 kJ/m ²	ASTM D256A
Notched Izod Impact			
73°F (23°C), 0.126 in (3.20 mm)	1.7 ft·lb/in	90 J/m	
Thermal			
			ISO 75-2/B
Heat Deflection Temperature			ISO 75-2/A
66 psi (0.45 MPa), Unannealed	491 °F	255 °C	
264 psi (1.8 MPa), Unannealed	473 °F	245 °C	

1 of 3

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Thermal			
Continuous Use Temperature ⁵	257 °F	125 °C	ISO 306/B50
Vicat Softening Temperature	482 °F	250 °C	
CLTE - Flow (86 to 212°F (30 to 100°C))	5.6E-6 in/in/°F	1.0E-5 cm/cm/°C	
Electrical			
Comparative Tracking Index ⁶ (Solution A)	400 V	400 V	IEC 60112
Flammability			
Flame Rating			UL 94
0.0295 in (0.750 mm)	V-0	V-0	IEC 60695-2-12
0.0591 in (1.50 mm)	V-0	V-0	
0.118 in (3.00 mm)	V-0	V-0	
Glow Wire Flammability Index			IEC 60695-2-13
0.0394 in (1.00 mm)	1760 °F	960 °C	
0.0787 in (2.00 mm)	1760 °F	960 °C	
Glow Wire Ignition Temperature			ASTM D2863
0.0394 in (1.00 mm)	1380 °F	750 °C	
0.0787 in (2.00 mm)	1380 °F	750 °C	
Oxygen Index	27 %	27 %	
Injection			
Drying Temperature	194 to 212 °F	90.0 to 100 °C	
Drying Time	3.0 hr	3.0 hr	
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C	
Mold Temperature	158 to 212 °F	70.0 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

⁶ Without Surfactant



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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

