

LATI Latamid 6 H2PX-V0 PA 6, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced, Flame Retardant

Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. Toughened. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free.

Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America
Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latamid-6-H2PX-V0-PA-6-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.011 - 0.0145 cm/cm	0.011 - 0.0145 in/in	
Linear Mold Shrinkage, Transverse	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	35.0 MPa	5080 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	10 %	10 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	70 %	70 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	4.0 %	4.0 %	

Mechanical Properties	0.350 GPa Metric	50.8 ksi English	Comments
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.450 GPa	65.3 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	0.650 GPa	94.3 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.10 GPa	160 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.70 GPa	392 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	8.50 J/cmÂ²	40.4 ft-lb/inÂ²	
Charpy Impact, Notched	0.600 J/cmÂ²	2.86 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	140 Â°C	284 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Â°C	140 Â°F	
Vicat Softening Point	160 Â°C	320 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	800 Â°C	1470 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	800 Â°C	1470 Â°F	

Thermal Properties	Metric @ Thickness 2.00 mm	English @ Thickness 0.0787 in	GWFI Comments
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	325 V	325 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	235 - 250 Â°C	455 - 482 Â°F	
Mold Temperature	60.0 - 70.0 Â°C	140 - 158 Â°F	
Drying Temperature	90.0 - 100 Â°C	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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