

LATI Kelon® B H CETG/300 PA 6, Glass/Mineral Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. Glass fibers / Mineral filler. 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-Kelon-B-H-CETG300-PA-6-GlassMineral-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0055 cm/cm	0.0035 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0045 - 0.0070 cm/cm	0.0045 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	30.0 MPa	4350 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	35.0 MPa	5080 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	60.0 MPa	8700 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.2 %	3.2 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	7.0 %	7.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	25 %	25 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	1.70 GPa	247 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	2.20 GPa	319 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.00 GPa	435 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	3.60 GPa	522 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.60 GPa	1250 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.00 J/cmÂ²	14.3 ft-lb/inÂ²	
Charpy Impact, Notched	0.400 J/cmÂ²	1.90 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	185 Â°C	365 Â°F	
Vicat Softening Point	205 Â°C	401 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 290 Â°C	464 - 554 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	

Processing Properties	Metric	English	Comments
Drying Temperature	100 Å°C	212 Å°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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