

LATI Kelon® B H CET/30 PA 6, 30% Mineral Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Mineral Filled

Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. Mineral filler. Very high dimensional stability. Good elongation
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-CET30-PA-6-30-Mineral-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0060 cm/cm	0.0035 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0065 cm/cm	0.0040 - 0.0065 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	25.0 MPa	3630 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	30.0 MPa	4350 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	55.0 MPa	7980 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	70.0 MPa	10200 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	
	3.8 %	3.8 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.5 %	8.5 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	30 %	30 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	1.50 GPa	218 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	1.70 GPa	247 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	2.20 GPa	319 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.20 GPa	609 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.50 GPa	943 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.50 J/cmÂ²	16.7 ft-lb/inÂ²	
Charpy Impact, Notched	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 Â°C	257 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	210 Â°C	410 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	155 Â°C	311 Â°F	
Vicat Softening Point	200 Â°C	392 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Thermal Properties	Metric	English	Comments
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	
Drying Temperature	90.0 - 100 Â°C @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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