

## LATI Kelon® B H CER/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-CER30-PA-6-30-Mineral-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_LATI-Kelon-B-H-CER30-PA-6-30-Mineral-Reinforced-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.010 - 0.0125 cm/cm	0.010 - 0.0125 in/in	
Linear Mold Shrinkage, Transverse	0.0105 - 0.0135 cm/cm	0.0105 - 0.0135 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	25.0 MPa	3630 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	35.0 MPa	5080 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	45.0 MPa	6530 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	80.0 MPa	11600 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	3.5 %	3.5 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.5 %	4.5 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	10 %	10 %	
	@Temperature 90.0 °C	@Temperature 194 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	35 %	35 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	1.10 GPa	160 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	1.60 GPa	232 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	1.90 GPa	276 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	3.00 GPa	435 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.90 GPa	711 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	0.700 J/cmÂ²	3.33 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)	200 Â°C	392 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Â°C	185 Â°F	
Vicat Softening Point	210 Â°C	410 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

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	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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