

**LATI Kelon® A H CEG/40 PA 66, Glass/Mineral Reinforced, Heat Stabilized**

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Glass/Mineral Filled

**Material Notes:**

Polyamide 66 (PA66) 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-A-H-CEG40-PA-66-GlassMineral-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_LATI-Kelon-A-H-CEG40-PA-66-GlassMineral-Reinforced-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	
Linear Mold Shrinkage, Transverse	0.010 - 0.013 cm/cm	0.010 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	35.0 MPa	5080 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	45.0 MPa	6530 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	70.0 MPa	10200 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	90.0 MPa	13100 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.9 %	2.9 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	3.5 %	3.5 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	6.5 %	6.5 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	8.0 %	8.0 %	
	@Temperature 120 °C	@Temperature 248 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	2.60 GPa	377 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	3.70 GPa	537 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	4.10 GPa	595 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	5.00 GPa	725 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	6.60 GPa	957 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	2.50 J/cm <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.350 J/cm <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Deflection Temperature at 0.46 MPa (66 psi)	240 °C	464 °F	
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °F	
Vicat Softening Point	230 °C	446 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 310 °C	536 - 590 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °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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