

## LATI Kelon® A FR H2 CET/35-V2 PA 66, 35% Mineral Reinforced, Flame Retardant, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Mineral Filled

### Material Notes:

Polyamide 66 (PA66) based compound. Heat stabilized. Mineral filler. UL94 V-2 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-Kelon-A-FR-H2-CET35-V2-PA-66-35-Mineral-Reinforced-Flame-Retardant-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_LATI-Kelon-A-FR-H2-CET35-V2-PA-66-35-Mineral-Reinforced-Flame-Retardant-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0075 cm/cm	0.0060 - 0.0075 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	
	55.0 MPa	7980 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	70.0 MPa	10200 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	1.5 %	1.5 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.5 %	2.5 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	7.0 %	7.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 °C	@Temperature 248 °F	
	25 %	25 %	
	@Temperature 190 °C	@Temperature 374 °F	
Elongation at Yield	6.0 %	6.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	10 %	10 %	
	@Temperature 120 °C	@Temperature 248 °F	
	>= 10 %	>= 10 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	1.60 GPa	232 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	2.10 GPa	305 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	3.80 GPa	551 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	7.30 GPa	1060 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	9.50 GPa	1380 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>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.50 J/cm <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	

Thermal Properties	210 °C Metric	410 °F English	Comments
Deflection Temperature at 0.46 MPa (6.7 psi)	165 °C	329 °F	
Deflection Temperature at 1.8 MPa (264 psi)	165 °C	329 °F	
Vicat Softening Point	200 °C @Load 5.00 kg	392 °F @Load 11.0 lb	
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	
	V-2 @Thickness 1.50 mm	V-2 @Thickness 0.0591 in	
	V-2 @Thickness 0.750 mm	V-2 @Thickness 0.0295 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	960 °C @Thickness 1.00 mm	1760 °F @Thickness 0.0394 in	GWFI/GWT
	960 °C @Thickness 2.00 mm	1760 °F @Thickness 0.0787 in	GWFI/GWT

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
Drying Temperature	90.0 - 100 °C @Time 10800 sec	194 - 212 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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