

## Eurostar Staramide AK6 PA66, 30% Mineral Reinforced, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Mineral Filled

### Material Notes:

Staramide AK6 is a 30% Mineral Filled Polyamide 66, Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Staramide-AK6-PA66-30-Mineral-Reinforced-Injection-Molding.php](http://www.lookpolymers.com/polymer_Eurostar-Staramide-AK6-PA66-30-Mineral-Reinforced-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	on Tensile Bar; E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	5 mm/min; ISO 527
Elongation at Break	10 %	10 %	5 mm/min; ISO 527
Tensile Modulus	5.50 GPa	798 ksi	1 mm/min; ISO 527
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	400 µm/m-°C	222 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 80.0 °C	@Temperature 73.4 - 176 °F	
Deflection Temperature at 1.8 MPa (264 psi)	130 °C	266 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Ae
Vicat Softening Point	255 °C	491 °F	B/120; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Zone 1	260 - 280 °C	500 - 536 °F	
Zone 2	270 - 280 °C	518 - 536 °F	
Zone 3	270 - 290 °C	518 - 554 °F	
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	

Processing Properties	75.0 - 85.0 °C Metric	167 - 185 °F English	Comments
Drying temperature	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	
Moisture Content	0.20 %	0.20 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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