

Eurostar Starflam A28UL PA66, Flame Retardant, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Staramide A28UL is Unfilled, Halogen Free and Red Phosphorous Free, Flame Retardant Polyamide 66, Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-A28UL-PA66-Flame-Retardant-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	88.0 MPa	12800 psi	5 mm/min; ISO 527
Elongation at Break	>= 5.0 %	>= 5.0 %	bars, 5 mm/min; ISO 527
Flexural Strength	130 MPa	18900 psi	2 mm/min; ISO 178
Flexural Modulus	3.40 GPa	493 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	80x10x4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	60.0 µm/m-°C	33.3 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
UL RTI, Mechanical with Impact	90.0 °C	194 °F	
Flammability, UL94	V-2	V-2	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Zone 1	260 - 270 °C	500 - 518 °F	

Zone 2 Processing Properties	270 - 280 °C Metric	518 - 536 °F English	Comments
Zone 3	270 - 280 °C	518 - 536 °F	
Melt Temperature	270 - 280 °C	518 - 536 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	75.0 - 85.0 °C @Time 14400 - 21600 sec	167 - 185 °F @Time 4.00 - 6.00 hour	
Moisture Content	0.20 %	0.20 %	

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