

Eurostar Starflam MX06089 PP, Flame Retardant, Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Starflam MX06089 is an Unfilled Flame Retardant Polypropylene Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-MX06089-PP-Flame-Retardant-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Water Absorption	0.050 %	0.050 %	ISO 62-1
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.023 cm/cm	0.023 in/in	E2P method
	@Thickness 4.00 mm	@Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.0 MPa	2470 psi	50 mm/min; ISO 527
Tensile Strength, Yield	26.0 MPa	3770 psi	50 mm/min; ISO 527
Elongation at Yield	7.0 %	7.0 %	50 mm/min; ISO 527
Tensile Modulus	1.20 GPa	174 ksi	1 mm/min; ISO 527
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	80.0 kJ/m ²	38.1 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	31.0 µm/m-°C	17.2 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	96.0 µm/m-°C	53.3 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	54.0 °C	129 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
	V-2	V-2	

Thermal Properties	Metric	English	Comments
	@ Thickness 1.50 mm	@ Thickness 0.0591 in	
Processing Properties	Metric	English	Comments
Zone 1	190 - 230 °C	374 - 446 °F	
Zone 2	190 - 230 °C	374 - 446 °F	
Zone 3	190 - 240 °C	374 - 464 °F	
Melt Temperature	190 - 240 °C	374 - 464 °F	
Mold Temperature	40.0 °C	104 °F	
Drying Temperature	70.0 °C	158 °F	
	@Time 10800 sec	@Time 3.00 hour	

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