

Eurostar Starflam MX05036 PP, Flame Retardant, Injection Molding

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

Material Notes:

Starflam MX05036 is an Unfilled, Halogen Free Flame Retardant, Polypropylene Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-MX05036-PP-Flame-Retardant-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.013 - 0.015 cm/cm @Time 86400 sec	0.013 - 0.015 in/in @Time 24.0 hour	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.0 MPa	2610 psi	ISO 527
Elongation at Break	>= 500 %	>= 500 %	ISO 527
Flexural Strength	28.0 MPa	4060 psi	ISO 178
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	60.0 kJ/m ²	28.6 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Processing Properties	Metric	English	Comments
Zone 1	180 - 190 °C	356 - 374 °F	
Zone 2	190 - 200 °C	374 - 392 °F	
Zone 3	190 - 200 °C	374 - 392 °F	
Melt Temperature	190 - 200 °C	374 - 392 °F	

Processing Properties	Metric 70.0 °C	English 158 °F	Comments
Drying Temperature	70.0 °C @Time 10800 sec	158 °F @Time 3.00 hour	

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