

Eurostar Starflam MX05075 PP, Flame Retardant, Injection Molding

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

Material Notes:

Starflam MX05075 is an Unfilled Halogen Free Flame Retardant PP Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-MX05075-PP-Flame-Retardant-Injection-Molding.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	E2P method
	@Thickness 4.00 mm	@Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	14.0 MPa	2030 psi	50 mm/min; ISO 527
Elongation at Yield	3.7 %	3.7 %	50 mm/min; ISO 527
Flexural Yield Strength	23.0 MPa	3340 psi	2 mm/min; ISO 178
Flexural Modulus	1.30 GPa	189 ksi	2 mm/min; ISO 178

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	66.7 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^\circ\text{C}$	@Temperature 73.4 - 140 $^\circ\text{F}$	
CTE, linear, Transverse to Flow	120 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	66.7 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359-2
	@Temperature ≥ 23.0 $^\circ\text{C}$	@Temperature ≥ 73.4 $^\circ\text{F}$	
Flammability, UL94	V-2	V-2	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Zone 1	180 - 190 $^\circ\text{C}$	356 - 374 $^\circ\text{F}$	
Zone 2	190 - 200 $^\circ\text{C}$	374 - 392 $^\circ\text{F}$	
Zone 3	190 - 200 $^\circ\text{C}$	374 - 392 $^\circ\text{F}$	
Melt Temperature	190 - 200 $^\circ\text{C}$	374 - 392 $^\circ\text{F}$	

Processing Properties	Metric	English	Comments
	50.0 °C	122 °F	
Drying Temperature	70.0 °C	158 °F	
	@Time 10800 sec	@Time 3.00 hour	

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