

## Eurostar Starflam M10009AP PP, Flame Retardant, Injection Molding

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

### Material Notes:

Starflam M10009AP is an Unfilled Flame Retardant high fluidity Polypropylene (Homo) Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Starflam-M10009AP-PP-Flame-Retardant-Injection-Molding.php](http://www.lookpolymers.com/polymer_Eurostar-Starflam-M10009AP-PP-Flame-Retardant-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.010 % @Temperature 23.0 °C, Time 86400 sec	0.010 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.016 cm/cm @Thickness 4.00 mm	0.016 in/in @Thickness 0.157 in	E2P method
Melt Flow	20 g/10 min @Load 5.00 kg, Temperature 230 °C	20 g/10 min @Load 11.0 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	23.0 MPa	3340 psi	50 mm/min; ISO 527
Tensile Strength, Yield	36.0 MPa	5220 psi	50 mm/min; ISO 527
Elongation at Yield	7.2 %	7.2 %	50 mm/min; ISO 527
Flexural Yield Strength	51.0 MPa	7400 psi	2 mm/min; ISO 178
Flexural Modulus	1.90 GPa	276 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	44.0 kJ/m <sup>2</sup>	20.9 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	103 °C	217 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
Glow Wire Test	@Thickness 1.60 mm	@Thickness 0.0630 in	IEC 60695-2-12

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	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Drying Temperature	70.0 °C @Time 10800 sec	158 °F @Time 3.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China