

Starflam M10009XP

Polypropylene Copolymer
Eurostar Engineering Plastics

Message:

Starflam M10009XP is an Unfilled Flame Retardant Polypropylene (Copo) Injection Molding Resin

General Information			
Features	Copolymer		
	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.00	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (4.00 mm)	1.6	%	Internal Method
Water Absorption (23°C, 24 hr)	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1400	MPa	ASTM D638
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Elongation (Break)	130	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Flexural Strength	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength ² (23°C)	> 98	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	51.0	°C	ISO 75-2/Af
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, Tested by E2P)	V-2		UL 94
Glow Wire Flammability Index (1.60 mm)	850	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	180 to 190	°C	
Middle Temperature	190 to 200	°C	
Front Temperature	190 to 200	°C	
Processing (Melt) Temp	190 to 200	°C	
Mold Temperature	30.0 to 50.0	°C	
NOTE			

1.	50 mm/min
2.	80*10*4
3.	80*10*4

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