

Starflam MX06089

Polypropylene
Eurostar Engineering Plastics

Message:
Starflam MX06089 is an Unfilled Flame Retardant Polypropylene Injection Molding Grade

General Information			
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	2.3	%	Internal Method
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	26.0	MPa	
Break	17.0	MPa	
Tensile Strain (Yield)	7.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 64.0 mm Span	90.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	54.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.1E-5	cm/cm/°C	
Transverse : 23 to 60°C	9.6E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, Tested by E2P)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	190 to 230	°C	
Middle Temperature	190 to 230	°C	
Front Temperature	190 to 240	°C	
Processing (Melt) Temp	190 to 240	°C	
Mold Temperature	40.0	°C	

NOTE	
1.	80*10*4
2.	80*10*4
3.	80*10*4

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