Starflam M10004A

Polypropylene

Eurostar Engineering Plastics

Message:

Starflam M10004A is an Unfilled Halogen Free Flame Retardant PP Injection Molding Resin

General Information			
Additive	Flame Retardant		
Features	Flame Retardant Halogen Free		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.02	g/cm³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.8	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.2	%	ISO 527-2/50
Flexural Modulus [1]	2100	MPa	ISO 178
Flexural Stress	44.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength [2] (23°C)	4.0	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength [3] (23°C)	15	kJ/m²	ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [4] (1.8 MPa, Unannealed, 64.0 mm Span)	68.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.1E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.1E-4	cm/cm/°C	
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.60 mm, Tested by E2P)	V-0		UL 94
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	℃

NOTE	
1.	2.0 mm/min
2.	80*10*4
3.	80*10*4
4.	80*10*4

Recommended distributors for this material

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