

Starflam POK 25V Z27 - BK84034

Polyketone, Aliphatic

Eurostar Engineering Plastics

Message:

Starflam POK 25V Z27 is a Halogen Free and Red Phosphorous Free, Flame Retardant, Glass Fiber Reinforced, Aliphatic Polyketone Injection Molding Resin (Experimental Datasheet)

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Flame retardancy		
Features	Phosphorus content, low (to none)		
	Halogen-free		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
shrinkage-Flow (24 hr)	0.40 - 0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8200	MPa	ISO 527-2/1
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	5600	MPa	ISO 178
Flexural Stress	141	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	12	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (1.8 MPa, Unannealed, 64.0 mm Span)	185	°C	ISO 75-2/Af
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm, E2P Measurement)	V-0		UL 94
Glow Wire Flammability Index (1.6 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	70 - 80	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	225 - 235	°C	
Middle Temperature	225 - 235	°C	
Front Temperature	225 - 235	°C	
Processing (Melt) Temp	225 - 235	°C	
Mold Temperature	70 - 80	°C	

NOTE

1. 80x10x4 mm

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