

SAXAMID™ 126F9

Polyamide 6

SAX Polymers

Message:

SAXAMID 126F9 is a polyamide 6 injection-molding-grade reinforced with 45 % glass fibres.
This product is UL listed.

General Information			
UL YellowCard	E343729-101340877		
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13700	MPa	ISO 527-2/1
Tensile Stress	202	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	10700	MPa	ISO 178
Flexural Stress ²	317	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	ISO 179/1eA
23°C	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	87	kJ/m ²	ISO 179/1eU
23°C	88	kJ/m ²	ISO 179/1eU
Notched Izod Impact			ISO 180/1A
-30°C	11	kJ/m ²	ISO 180/1A
23°C	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	81	kJ/m ²	ISO 180/1U
23°C	84	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	211	°C	ISO 75-2/A
Vicat Softening Temperature	216	°C	ISO 306/B120
Flammability	Nominal Value	Test Method	
Flammability Classification (1.50 to 1.70 mm)	HB	IEC 60695-11-10, -20	

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 - 6.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	260 - 290	°C
Mold Temperature	70.0 - 90.0	°C

NOTE

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

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