

SAXAMID™ 126F2K4

Polyamide 6

SAX Polymers

Message:

SAXAMID 126F2K4 is a 10 % glass fibres and 20% glass beads filled polyamide 6 injection-molding-grade.

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
	Glass Fiber,10% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5900	MPa	ISO 527-2/1
Tensile Stress (Break)	98.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	4700	MPa	ISO 178
Flexural Stress ²	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	44	kJ/m ²	
23°C	58	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	5.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	38	kJ/m ²	
23°C	43	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	184	°C	ISO 75-2/A
Vicat Softening Temperature	213	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0 to 6.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	260 to 290	°C
Mold Temperature	60.0 to 80.0	°C

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

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