

SAXAMID™ 226F4

Polyamide 66

SAX Polymers

Message:

SAXAMID 226F4 is a polyamide 6.6 injection-molding-grade reinforced with 20 % glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7300	MPa	ISO 527-2/1
Tensile Stress (Break)	156	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	5900	MPa	ISO 178
Flexural Stress ²	240	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	43	kJ/m ²	
23°C	51	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	8.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	43	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	240	°C	ISO 75-2/A
Vicat Softening Temperature	250	°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	280 to 300	°C
Mold Temperature	70.0 to 90.0	°C

NOTE

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

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