

SAXAMID™ 226F8

Polyamide 66

SAX Polymers

Message:

SAXAMID 226F8 is a general purpose polyamide 6.6 injection-molding-grade reinforced with 40 % glass fibres. This grade has very high mechanical strength.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	General Purpose		
	High Strength		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12800	MPa	ISO 527-2/1
Tensile Stress (Break)	225	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	10000	MPa	ISO 178
Flexural Stress ²	290	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	13	kJ/m ²	
23°C	16	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	88	kJ/m ²	
23°C	98	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	14	kJ/m ²	
23°C	15	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	84	kJ/m ²	
23°C	93	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	250	°C	ISO 75-2/A
Vicat Softening Temperature	255	°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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