

SAXAMID™ 226F6

Polyamide 66

SAX Polymers

Message:

SAXAMID 226F6 is a general purpose polyamide 6.6 injection-molding-grade reinforced with 30 % glass fibres. This grade has very high mechanical strength in combination with good flow properties. This compound shows its high mechanical strength over a long period and is able to perform at higher temperatures.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	General Purpose		
	Good Flow		
	High Strength		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9800	MPa	ISO 527-2/1
Tensile Stress (Break)	195	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	8000	MPa	ISO 178
Flexural Stress ²	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	11	kJ/m ²	
23°C	13	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	70	kJ/m ²	
23°C	85	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	11	kJ/m ²	
23°C	14	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	68	kJ/m ²	
23°C	80	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	248	°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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