

SAXAMID™ 226F10

Polyamide 66

SAX Polymers

Message:

SAXAMID 226F10 is a polyamide 6.6 injection-molding-grade reinforced with 50 % glass fibres. This grade is characterized by highest mechanical strength.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	High Strength		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15500	MPa	ISO 527-2/1
Tensile Stress (Break)	255	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	12300	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	15	kJ/m ²	
23°C	16	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	95	kJ/m ²	
23°C	110	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	15	kJ/m ²	
23°C	17	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	96	kJ/m ²	
23°C	100	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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