

SAXAMID™ 226F6T3

Polyamide 66

SAX Polymers

Message:

SAXAMID 226F6T3 is a general purpose polyamide 6.6 injection-molding-grade reinforced with 30 % glass fibres. This compound shows its high mechanical strength over a long period and is able to perform at higher temperatures in combination with low frictioncoefficients and very good wear resistance.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	General Purpose		
	Good Wear Resistance		
	High Strength		
	Low Friction		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ISO 527-2/1
Tensile Stress (Break)	175	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	8200	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	10	kJ/m²	
23°C	12	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	70	kJ/m²	
23°C	83	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	9.0	kJ/m²	
23°C	12	kJ/m²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	67	kJ/m²	
23°C	80	kJ/m²	
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

