

SAXAMID™ 126K6

Polyamide 6

SAX Polymers

Message:

SAXAMID 126K6 is a 30% glass beads filled polyamide 6 injection-molding-grade. This grade is characterized by dimensional stability, low warpage and good surface quality.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Features	Good Dimensional Stability		
	Good Surface Finish		
	Low Warpage		
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	4200	MPa	ISO 527-2/1
Tensile Stress (Break)	78.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/50
Flexural Modulus ¹	3400	MPa	ISO 178
Flexural Stress ²	162	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	29	kJ/m ²	
23°C	34	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	2.0	kJ/m ²	
23°C	3.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	25	kJ/m ²	
23°C	33	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	204	°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	260 to 290	°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

