

SAXAMID™ 126F4

Polyamide 6

SAX Polymers

Message:

SAXAMID 126F4 is a polyamide 6 injection-molding-grade reinforced with 20 % glass fibres.
This product is UL listed.

General Information			
UL YellowCard	E343729-101340877		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7100	MPa	ISO 527-2/1
Tensile Stress	148	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Flexural Modulus ¹	5400	MPa	ISO 178
Flexural Stress ²	243	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	49	kJ/m ²	
23°C	54	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	7.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	50	kJ/m ²	
23°C	53	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	207	°C	ISO 75-2/A
Vicat Softening Temperature	214	°C	ISO 306/B120
Flammability	Nominal Value	Test Method	
Flammability Classification (1.50 to 1.70 mm)	HB	IEC 60695-11-10, -20	

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	

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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

