

SAXAMID™ 126F6

Polyamide 6

SAX Polymers

Message:

SAXAMID 126F6 is a polyamide 6 injection-molding-grade reinforced with 30 % glass fibres. Because of its high strength and stiffness this grade is often used for stressed parts. Further remarkable properties are very good processability and good surface quality. This product is UL listed.

General Information			
UL YellowCard	E343729-101340877		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Processability		
	Good Surface Finish		
	High Stiffness		
	High Strength		
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	9200	MPa	ISO 527-2/1
Tensile Stress	190	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus ¹	7600	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	80	kJ/m ²	
23°C	85	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	10	kJ/m ²	
23°C	13	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	78	kJ/m ²	
23°C	82	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	209	°C	ISO 75-2/A
Vicat Softening Temperature	216	°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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