

SAXAMID™ 126F10

Polyamide 6

SAX Polymers

Message:

SAXAMID 126F10 is a polyamide 6 injection-molding-grade reinforced with 50 % glass fibres.

General Information			
UL YellowCard	E343729-101340877		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15400	MPa	ISO 527-2/1
Tensile Stress	209	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	11400	MPa	ISO 178
Flexural Stress ²	328	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	
23°C	14	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	89	kJ/m ²	
23°C	90	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	12	kJ/m ²	
23°C	14	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	82	kJ/m ²	
23°C	84	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	214	°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

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| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |
| 3. | 80*10*4mm |

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