

SAXAMID™ 126

Polyamide 6

SAX Polymers

Message:

SAXAMID 126 is a general purpose polyamide 6 injection-molding-grade. Benefits are short cycle times and good release properties.

General Information			
Features	Fast Molding Cycle		
	General Purpose		
	Good Mold Release		
Uses	General Purpose		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	9.5	%	
Equilibrium, 23°C, 50% RH	3.0	%	
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1
Tensile Stress (Break)	82.0	MPa	ISO 527-2/50
Tensile Strain (Break)	13	%	ISO 527-2/50
Flexural Modulus ¹	2500	MPa	ISO 178
Flexural Stress ²	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 60.0 mm Span)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	203	°C	ISO 306/B120
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (1.00 mm)	750	°C	IEC 60695-2-12
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	250 to 270	°C
Mold Temperature	60.0 to 80.0	°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

