

Sax Polymers SAXAMID 126F7 Nylon 6, 35% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

SAXAMID 126F7 is a polyamide 6 injection-molding-grade reinforced with 35% glass fibers. Because of its high strength and stiffness this grade is often used for stressed parts. Additional properties are very good processability and good surface quality. Information provided by SAX Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sax-Polymers-SAXAMID-126F7-Nylon-6-35-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Viscosity Test	150 cm ³ /g	150 cm ³ /g	H₂SO₄; ISO 307

Mechanical Properties	Metric	English	Comments
Tensile Strength	193 MPa	28000 psi	5 mm/min; ISO 527-1
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527-1
Tensile Modulus	10.3 GPa	1490 ksi	1 mm/min; ISO 527-1
Flexural Strength	293 MPa	42500 psi	2 mm/min; ISO 178
Flexural Modulus	8.80 GPa	1280 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180/1A
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
	13.0 kJ/m ²	6.19 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched (ISO)	79.0 kJ/m ²	37.6 ft-lb/in ²	ISO 180/1U
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
	82.0 kJ/m ²	39.0 ft-lb/in ²	ISO 180/1U
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
	8.50 J/cm ²	40.4 ft-lb/in ²	

Mechanical Properties	Metric	English	Comments
	@ Temperature 23.0 Â°C	@ Temperature 73.4 Â°F	ISO 179/1eA
Charpy Impact, Notched	1.10 J/cmÂ²	5.23 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	1.30 J/cmÂ²	6.19 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	209 Â°C	408 Â°F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	216 Â°C	421 Â°F	B/120; ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 Â°C	500 - 554 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
	@Time 7200 - 21600 sec	@Time 2.00 - 6.00 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China