

## Sax Polymers SAXAMID 126F6T3 Nylon 6, 30% Glass Fiber and PTFE

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

### Material Notes:

SAXAMID 126F6T3 is a polyamide 6 injection-molding-grade reinforced with 30% glass fibers and 15% PTFE. Because of its high strength and stiffness this grade is often used for stressed parts requiring low friction - low friction coefficients result in very good wear resistance. Information provided by SAX Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sax-Polymers-SAXAMID-126F6T3-Nylon-6-30-Glass-Fiber-and-PTFE.php](http://www.lookpolymers.com/polymer_Sax-Polymers-SAXAMID-126F6T3-Nylon-6-30-Glass-Fiber-and-PTFE.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ISO 1183
Viscosity Test	150 cm <sup>3</sup> /g	150 cm <sup>3</sup> /g	H<sub>2</sub>SO<sub>4</sub>; ISO 307

Mechanical Properties	Metric	English	Comments
Tensile Strength	150 MPa	21800 psi	5 mm/min; ISO 527-1
Elongation at Break	3.0 %	3.0 %	5 mm/min; ISO 527-1
Tensile Modulus	7.10 GPa	1030 ksi	1 mm/min; ISO 527-1
Flexural Strength	268 MPa	38900 psi	2 mm/min; ISO 178
Flexural Modulus	8.10 GPa	1170 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	3.33 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	10.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	4.76 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	75.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	35.7 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1U
	79.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	37.6 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1U
Charpy Impact Unnotched	7.60 J/cm <sup>2</sup> @Temperature -30.0 °C	36.2 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eU
	8.20 J/cm <sup>2</sup>	39.0 ft-lb/in <sup>2</sup>	

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	ISO 179/1eA
Charpy Impact, Notched	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	0.900 J/cmÂ²	4.28 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.

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