

## Sax Polymers SAXAMID 226F3 Nylon 6.6, 15% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled

### Material Notes:

SAXAMID 226F3 is a polyamide 6.6 injection-molding-grade reinforced with 15% glass fibers. This grade is suitable for applications requiring high strength and very good flow properties during processing. Information provided by SAX Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sax-Polymers-SAXAMID-226F3-Nylon-66-15-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Sax-Polymers-SAXAMID-226F3-Nylon-66-15-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 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	135 MPa	19600 psi	5 mm/min; ISO 527-1
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527-1
Tensile Modulus	6.00 GPa	870 ksi	1 mm/min; ISO 527-1
Flexural Strength	205 MPa	29700 psi	2 mm/min; ISO 178
Flexural Modulus	4.80 GPa	696 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	35.0 kJ/m <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	ISO 180/1U
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	40.0 kJ/m <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	4.50 J/cm <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	ISO 179/1eU

Mechanical Properties	@Temperature 23.0 Metric °C	@Temperature 73.4 °F English °F	Comments
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	240 °C	464 °F	B/120; ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 °C	176 °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](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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