

## Sax Polymers SAXAMID 136F4Q32 Nylon 6, 20% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled , Nylon 6, Glass Filled, Impact Grade

### Material Notes:

SAXAMID 136F4Q32 is a high impact-modified polyamide 6 injection-molding-grade reinforced with 20% glass fibers. Information provided by SAX Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sax-Polymers-SAXAMID-136F4Q32-Nylon-6-20-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Sax-Polymers-SAXAMID-136F4Q32-Nylon-6-20-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 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	80.0 MPa	11600 psi	5 mm/min; ISO 527-1
Elongation at Break	3.3 %	3.3 %	5 mm/min; ISO 527-1
Tensile Modulus	4.80 GPa	696 ksi	1 mm/min; ISO 527-1
Flexural Strength	132 MPa	19100 psi	2 mm/min; ISO 178
Flexural Modulus	3.70 GPa	537 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Izod Impact, Unnotched (ISO)	17.0 kJ/m <sup>2</sup>	8.09 ft-lb/in <sup>2</sup>	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	78.0 kJ/m <sup>2</sup>	37.1 ft-lb/in <sup>2</sup>	ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	79.0 kJ/m <sup>2</sup>	37.6 ft-lb/in <sup>2</sup>	ISO 180/1U
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	7.50 J/cm <sup>2</sup>	35.7 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	7.60 J/cm <sup>2</sup>	36.2 ft-lb/in <sup>2</sup>	ISO 179/1eU

Mechanical Properties	Metric @Temperature -30.0 Â°C	English @Temperature -22.0 Â°F	Comments
Charpy Impact, Notched	1.40 J/cmÂ²	6.66 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	1.80 J/cmÂ²	8.57 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)	178 Â°C	352 Â°F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	185 Â°C	365 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](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