

## Sax Polymers SAXAMID 236F6Q32 Nylon 6.6, 30% Glass Fiber

Categories: [Polymer](#); [Thermoplastic](#); [Nylon](#); [Nylon 66](#); [Nylon 66, 30% Glass Fiber Filled](#); [Nylon 66, Glass Reinforced, Impact Grade](#)

**Material Notes:** SAXAMID 236F6Q32 is a impact-modified polyamide 6.6 injection-molding-grade reinforced with 30% glass fibers and very good flow properties. It is suitable for applications requiring toughness in combination with low creep properties.

Information provided by SAX Polymers

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 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	120 MPa	17400 psi	5 mm/min; ISO 527-1
Elongation at Break	3.5 %	3.5 %	5 mm/min; ISO 527-1
Tensile Modulus	7.20 GPa	1040 ksi	1 mm/min; ISO 527-1
Flexural Strength	183 MPa	26500 psi	2 mm/min; ISO 178
Flexural Modulus	6.20 GPa	899 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO) 	18.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	8.57 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	21.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	9.99 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO) 	90.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	42.8 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1U
	95.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	45.2 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1U
Charpy Impact Unnotched 	8.30 J/cm <sup>2</sup> @Temperature 23.0 °C	39.5 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
	8.70 J/cm <sup>2</sup> @Temperature -30.0 °C	41.4 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eU
Charpy Impact, Notched 	1.60 J/cm <sup>2</sup> @Temperature -30.0 °C	7.61 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eA
	2.00 J/cm <sup>2</sup> @Temperature 23.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	237 °C	459 °F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	228 °C	442 °F	B/120; ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 °C	518 - 572 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 °C @Time 7200 - 21600 sec	176 °F @Time 2.00 - 6.00 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.