

## Sax Polymers SAXAMID 236Q33 Nylon 6.6, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

### Material Notes:

SAXAMID 236Q33 is a impact-modified polyamide 6.6 injection-molding-grade with very good flow properties and outstanding toughness.

Even at low temperatures this grade offers super-tough properties. Information provided by SAX Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sax-Polymers-SAXAMID-236Q33-Nylon-66-Impact-Modified.php](http://www.lookpolymers.com/polymer_Sax-Polymers-SAXAMID-236Q33-Nylon-66-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 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	40.0 MPa	5800 psi	5 mm/min; ISO 527-1
Elongation at Break	10 %	10 %	5 mm/min; ISO 527-1
Tensile Modulus	1.50 GPa	218 ksi	1 mm/min; ISO 527-1
Flexural Strength	64.0 MPa	9280 psi	2 mm/min; ISO 178
Flexural Modulus	1.60 GPa	232 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	23.0 kJ/m <sup>2</sup>	10.9 ft-lb/in <sup>2</sup>	ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	90.0 kJ/m <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	ISO 180/1U
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	2.10 J/cm <sup>2</sup>	9.99 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Mechanical Properties	Metric	English	Comments
	3.00 N/cm <sup>2</sup>	42.3 lbf/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)	65.0 °C	149 °F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	180 °C	356 °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	176 °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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