

Sax Polymers SAXAMID 226F4 Nylon 6.6, 20% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

SAXAMID 226F4 is a polyamide 6.6 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-226F4-Nylon-66-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ISO 1183
Viscosity Test	150 cm ³ /g	150 cm ³ /g	H ₂ SO ₄ ; ISO 307

Mechanical Properties	Metric	English	Comments
Tensile Strength	156 MPa	22600 psi	5 mm/min; ISO 527-1
Elongation at Break	3.0 %	3.0 %	5 mm/min; ISO 527-1
Tensile Modulus	7.30 GPa	1060 ksi	1 mm/min; ISO 527-1
Flexural Strength	240 MPa	34800 psi	2 mm/min; ISO 178
Flexural Modulus	5.90 GPa	856 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 180/1A
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
Izod Impact, Unnotched (ISO)	43.0 kJ/m ²	20.5 ft-lb/in ²	ISO 180/1U
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
	50.0 kJ/m ²	23.8 ft-lb/in ²	ISO 180/1U
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	4.30 J/cm ²	20.5 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
	5.10 J/cm ²	24.3 ft-lb/in ²	ISO 179/1eU
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Charpy Impact, Notched	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 179/1eA
	0.900 J/cm ²	4.28 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	250 °C	482 °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 @Time 7200 - 21600 sec	176 °F @Time 2.00 - 6.00 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	

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