

Sax Polymers SAXAMID 126F2K4 Nylon 6, Glass Fiber/Bead Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled , Nylon 6, Glass Bead Filled

Material Notes:

SAXAMID 126F2K4 is a 10% glass fibers and 20% glass beads filled polyamide 6 injection-molding-grade. Information provided by SAX Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sax-Polymers-SAXAMID-126F2K4-Nylon-6-Glass-FiberBead-Filled.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Viscosity Test	150 cm ³ /g	150 cm ³ /g	H₂SO₄; ISO 307

Mechanical Properties	Metric	English	Comments
Tensile Strength	98.0 MPa	14200 psi	5 mm/min; ISO 527-1
Elongation at Break	3.0 %	3.0 %	5 mm/min; ISO 527-1
Tensile Modulus	5.90 GPa	856 ksi	1 mm/min; ISO 527-1
Flexural Strength	160 MPa	23200 psi	2 mm/min; ISO 178
Flexural Modulus	4.70 GPa	682 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	38.0 kJ/m ²	18.1 ft-lb/in ²	ISO 180/1U
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	43.0 kJ/m ²	20.5 ft-lb/in ²	ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	4.40 J/cm ²	20.9 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	5.80 J/cm ²	27.6 ft-lb/in ²	ISO 179/1eU

Mechanical Properties	@Temperature 23.0 Metric Â°C	@Temperature 73.4 Â°F English	Comments
Charpy Impact, Notched	0.400 J/cmÂ²	1.90 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	0.600 J/cmÂ²	2.86 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)	184 Â°C	363 Â°F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	213 Â°C	415 Â°F	B/120; ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 Â°C	500 - 554 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 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 %	

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