

Sax Polymers SAXAMID 226F5RY01 Nylon 6.6, 25% Glass Fiber

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

Material Notes:

SAXAMID 226F5RY01 is a polyamide 6.6 injection-molding-grade reinforced with 25% glass fibers. It has a halogen-free flame retardant and UL listed. Information provided by SAX Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sax-Polymers-SAXAMID-226F5RY01-Nylon-66-25-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 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	125 MPa	18100 psi	5 mm/min; ISO 527-1
Elongation at Break	2.3 %	2.3 %	5 mm/min; ISO 527-1
Tensile Modulus	9.60 GPa	1390 ksi	1 mm/min; ISO 527-1
Flexural Strength	200 MPa	29000 psi	2 mm/min; ISO 178
Flexural Modulus	7.60 GPa	1100 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 -30.0 °C	@Temperature -22.0 °F	
Izod Impact, Unnotched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	47.0 kJ/m ²	22.4 ft-lb/in ²	ISO 180/1U
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	48.0 kJ/m ²	22.8 ft-lb/in ²	ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	4.80 J/cm ²	22.8 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	5.60 J/cm ²	26.6 ft-lb/in ²	ISO 179/1eU

Mechanical Properties	Metric @Temperature 23.0 °C	English @Temperature 73.4 °F	Comments
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.800 J/cm ²	3.81 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)	242 °C	468 °F	80*10*4 s=60mm; ISO 75-1 a
Vicat Softening Point	248 °C	478 °F	B/120; ISO 306
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	IEC 60695-11-10
	@Thickness 3.00 mm	@Thickness 0.118 in	
Glow Wire Test	725 °C	1340 °F	GWIT; IEC 60695-2-13
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	750 °C	1380 °F	GWIT; IEC 60695-2-13
	@Thickness 3.00 mm	@Thickness 0.118 in	
	960 °C	1760 °F	GWFI; IEC 60695-2-12
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	960 °C	1760 °F	GWFI; IEC 60695-2-12
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 295 °C	536 - 563 °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	

Processing Properties

Metric %

English %

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China