

Solvay Specialty Polymers Ixef® 2530/X9027 Polyarylamide, 55% Mineral + Glass Fiber, at Equilibrium (65% RH)

Category : Polymer , Thermoplastic , Polyarylamide (PAA) , Polyarylamide, Glass Fiber Filled

Material Notes:

The IXEF compounds are a family of semi-crystalline polyarylamide thermoplastics reinforced with glass fibers and/or mineral fillers for injection molding. Data provided by the manufacturer, Solvay Advanced Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Ixef-2530X9027-Polyarylamide-55-Mineral-Glass-Fiber-at-Equilibrium-65-RH-nbsp.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	Dry as molded

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	120 MPa	17400 psi	ASTM D638
Elongation at Break	1.3 %	1.3 %	ASTM D638
Tensile Modulus	18.0 GPa	2610 ksi	ASTM D638
Flexural Yield Strength	175 MPa	25400 psi	ASTM D790
Flexural Modulus	16.5 GPa	2390 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.80 J/cm	5.25 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	240 °C	464 °F	

Processing Properties	Metric	English	Comments
Feed Temperature	250 - 280 °C	482 - 536 °F	
Rear Barrel Temperature	250 - 280 °C	482 - 536 °F	Compression Zone
Middle Barrel Temperature	250 - 280 °C	482 - 536 °F	Homogenization Zone
Front Barrel Temperature	260 - 290 °C	500 - 554 °F	Nozzle Zone
Melt Temperature	<= 270 °C	<= 518 °F	
Mold Temperature	120 - 140 °C	248 - 284 °F	Needed to develop high crystallinity
Injection Pressure	50.0 - 250 MPa	7250 - 36300 psi	

Processing Properties	Metric	English	Comments
Hold Pressure	0.00 - 1.50 MPa	0.00 - 21800 psi	
Back Pressure	0.000 - 1.00 MPa	0.000 - 145 psi	

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