

## Solvay Specialty Polymers Ixef® 2060 Polyarylamide (PARA) (discontinued \*\*)

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

### Material Notes:

Ixef 2060 is a 55% reinforced, general purpose polyarylamide compound. This compound exhibits improved vibration resistance, low warpage, and excellent surface finish. This grade has excellent properties in the transverse direction. - Black: Ixef 2060/9008 - Custom Colorable  
**Injection Notes:** Hot Runners: 250°C to 260°C (482°F to 500°F) Injection Pressure: rapid Drying The material as supplied is ready for molding without drying. However, if the bags have been open for longer than 24 hours, the material needs to be dried. When using a desiccant air dryer with dew point of -28°C (-18°F) or lower, these guidelines can be followed: 0.5-1.5 hour at 120°C (248°F), 1-3 hours at 100°C (212°F), or 1-7 hours at 80°C (176°F). Injection Molding IXEF 2060 compound can be readily injection molded in most screw injection molding machines. A general purpose screw is recommended, with minimum back pressure. The measured melt temperature should be between 265°C to 275°C (477-495°F), and the barrel temperatures should be around 250°C to 260°C (482°F to 500°F) in the rear zone, gradually increasing to 260°C to 290°C (500°F to 554°F) in the front zone. If hot runners are used, they should be set to 250°C to 260°C (482°F to 500°F). To maximize crystallinity, the temperature of the mold cavity surface must be held between 120°C to 140°C (248°F and 284°F). Molding at a lower temperature will produce articles that may warp, have poor surface appearance, and have a greater tendency to creep. Set injection pressure to give rapid injection. Adjust holding pressure and hold time to maximize part weight. Transfer from injection to hold pressure at the screw position just before the part is completely filled (95%-99%).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Ixef-2060-Polyarylamide-PARA-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Ixef-2060-Polyarylamide-PARA-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in <sup>3</sup>	ISO 1183
Filler Content	55 %	55 %	Glass Fiber
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	1.2 %	1.2 %	65% RH
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	
Linear Mold Shrinkage, Transverse	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	Weldline; ISO 527-2
	180 MPa	26100 psi	ISO 527-2
Elongation at Break	1.5 %	1.5 %	ISO 527-2
Tensile Modulus	19.0 GPa	2760 ksi	ISO 527-2
Flexural Strength	270 MPa	39200 psi	ISO 178

Mechanical Properties	Metric	English	Comments
Charpy Impact Unnotched	2.70 J/cm <sup>2</sup>	12.8 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	0.440 J/cm <sup>2</sup>	2.09 ft-lb/in <sup>2</sup>	ISO 179

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	250 - 260 °C	482 - 500 °F	
Front Barrel Temperature	260 - 290 °C	500 - 554 °F	
Melt Temperature	247 - 257 °C	477 - 495 °F	
Mold Temperature	120 - 140 °C	248 - 284 °F	
Drying Temperature	120 °C @Time 1800 - 5400 sec	248 °F @Time 0.500 - 1.50 hour	

Descriptive Properties	Value	Comments
Appearance	Black	
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Features	Good Chemical Resistance	
	Good Creep Resistance	
	Good Dimensional Stability	
	High Flow	
	High Strength	
	Low Moisture Absorption	
	Low Warpage	
	Outstanding Surface Finish	
	Ultra High Stiffness	
Forms	Pellets	

Descriptive Properties	Value on Molding	Comments
RoHS Compliance	RoHS Compliant	

## Contact Songhan Plastic Technology Co.,Ltd.

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