

Solvay Specialty Polymers Ixef® 1032 Polyarylamide (PARA), 60% Glass Fiber (Conditioned)

Category : Polymer , Thermoplastic , PVDC , Polyvinyl Dichloride (PVDC)

Material Notes:

Ixef® 1032 is a 60% glass-fiber reinforced, general purpose polyarylamide compound which exhibits very high strength and rigidity, outstanding surface gloss, and excellent creep resistance. Features: Good Chemical Resistance; Good Creep Resistance; Good Dimensional Stability; High Flow; High Strength; Low Moisture Absorption; Outstanding Surface Finish; Ultra High Stiffness Uses: Automotive Applications; Automotive Electronics; Automotive Interior Parts; Furniture; High Gloss Applications; Metal Replacement; Sporting Goods Injection Molding Notes: Ixef® compounds are shipped in moisture-resistant packages at moisture levels according to specifications. Sealed, undamaged bags should be preferably stored in a dry room at a maximum temperature of 50°C (122°F) and should be protected from possible damage. If only a portion of a package is used, the remaining material should be transferred into a sealable container. It is recommended that Ixef® resins be dried prior to molding. Automotive Specifications ASTM D6779 PA111G60; BMW GS 93016; GM GM7001M; GM GM7001M PAMXD6 A4 A22 A64 BA661 DC1770 G30 KS2400 MS1800 NS340 RT7 SS225 Color: 0008 Natural; GM GM7001M PAMXD6 A4 A22 A64 BA661 DC1770 G30 KS2400 MS1800 NS340 RT7 SS225 Color: 9008 Black Information provided by Solvay Specialty Polymers.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Ixef-1032-Polyarylamide-PARA-60-Glass-Fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.77 g/cc	0.0639 lb/in³	Dry; ISO 1183
Filler Content	60 %	60 %	Glass Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	250 MPa	36300 psi	ISO 527-2
Elongation at Break	2.0 %	2.0 %	ISO 527-2
Tensile Modulus	23.0 GPa	3340 ksi	ISO 527-2

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	250 - 260 °C	482 - 500 °F	
Middle Barrel Temperature	260 - 270 °C	500 - 518 °F	
Front Barrel Temperature	270 - 280 °C	518 - 536 °F	
Nozzle Temperature	260 - 290 °C	500 - 554 °F	
Melt Temperature	280 °C	536 °F	
Mold Temperature	120 - 140 °C	248 - 284 °F	

Processing Properties	80.0 Å°C Metric	176 Å°F English	Comments
	@Time 43200 sec	@Time 12.0 hour	
Moisture Content	<= 0.30 %	<= 0.30 %	
Injection Pressure	50.0 - 150 MPa	7250 - 21800 psi	
Hold Pressure	75.0 MPa	10900 psi	
Back Pressure	0.000 - 1.00 MPa	0.000 - 145 psi	

Descriptive Properties	Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	Latin America	
	North America	
Color	Black; Colors; Natural	
Form	Pellets	
Injection Rate	Fast	
Processing Technique	Injection Molding	
RoHS Compliance	RoHS Compliant	
Screw L/D Ratio	15.0:1.0 to 20.0:1.0	

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