

Solvay Specialty Polymers Ixef® DW-1022 Polyarylamide (PARA), 50% Glass Fiber (Conditioned)

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

Material Notes:

Ixef® DW-1022 is a 50% glass-fiber reinforced, general purpose polyarylamide compound that exhibits very high strength and rigidity, outstanding surface gloss, and excellent creep resistance. Features: General Purpose; Good Chemical Resistance; Good Creep Resistance; Good Dimensional Stability; Good Sterilizability; High Flow; High Strength; Low Moisture Absorption; Outstanding Surface Finish; Ultra High Stiffness Uses: Appliances; High Gloss Applications; Hospital Goods; Potable Water Applications Agency Ratings: ACS Unspecified Rating; DVGW W270; EU No 10/2011; FDA 21 CFR 176.170, Table 2, Cond. B; FDA 21 CFR 176.170, Table 2, Cond. C; FDA 21 CFR 176.170, Table 2, Cond. D; FDA 21 CFR 176.170, Table 2, Cond. F; FDA 21 CFR 176.170, Table 2, Cond. G; FDA 21 CFR 176.170, Table 2, Cond. H; KTW Unspecified Rating; NSF 61; WRAS Unspecified Rating at 85°C 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. Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Ixef-DW-1022-Polyarylamide-PARA-50-Glass-Fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.64 g/cc	0.0592 lb/in ³	Dry; ISO 1183
Filler Content	50 %	50 %	Glass Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	260 MPa	37700 psi	ISO 527-2
Elongation at Break	2.2 %	2.2 %	ISO 527-2
Tensile Modulus	19.5 GPa	2830 ksi	ISO 527-2

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

Driving Temperature Processing Properties	@Time 1800 - 5400 sec Metric	@Time 0.500 - 1.50 English	Comments
Descriptive Properties	Value		Comments
Availability	Africa & Middle East		
	Asia Pacific		
	Europe		
	Latin America		
	North America		
Color	Black; Natural		
Form	Pellets		
Injection Rate	Fast		
Processing Technique	Injection Molding		
RoHS Compliance	RoHS Compliant		

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