

Arkema Group KYNAR® 9000 HD Polyvinylidene Fluoride - Injection Molding

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF , Polyvinylidene fluoride (PVDF), Molded/Extruded

Material Notes:

Characteristics: Natural resin - translucent, off-white hemispheres. High stability in harsh thermal, chemical and ultraviolet environments. High toughness and mechanical strength, low permeability, abrasion resistance; high purity Applications: Chemical processing – production, storage and transfer of corrosive fluids Electronics – protective sheathing, plenum and wiring insulation Semi-conductor industry Food stuff and Healthcare industries Transportation – fuel line and pipe, thermoformed body components Information provided by Arkema Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-KYNAR-9000-HD-Polyvinylidene-Fluoride-Injection-Molding.php

Physical Properties	Metric	English	Comments
Bulk Density	0.961 g/cc	0.0347 lb/in ³	
Viscosity	500000 - 800000 cP @Shear Rate 100 1/s, Temperature 232 °C	500000 - 800000 cP @Shear Rate 100 1/s, Temperature 450 °F	Melt Viscosity; ASTM D3835
Melt Flow	16 - 40 g/10 min @Load 5.00 kg, Temperature 232 °C	16 - 40 g/10 min @Load 11.0 lb, Temperature 450 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	165 - 172 °C	329 - 342 °F	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	190 - 210 °C	374 - 410 °F	Injection Molding
Middle Barrel Temperature	200 - 220 °C	392 - 428 °F	Injection Molding
Front Barrel Temperature	200 - 240 °C	392 - 464 °F	Injection Molding
Nozzle Temperature	200 - 240 °C	392 - 464 °F	Injection Molding
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	Injection Molding

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