Kynar® 370

Polyvinylidene Fluoride

Arkema

Message:

KYNAR® 370 resin is a pelletized, semi-crystalline polymer of vinylidene fluoride. It is a versatile engineering plastic with an outstanding balance of physical and chemical properties that qualify it for high performance service in a wide variety of applications. It is a fluoropolymer capable of being fabricated on standard processing equipment.
KYNAR® 370 is a low viscosity grade that has been filled with carbon to enhance physical properties. Mold shrinkage and thermal expansion are decreased by the addition of carbon. The shrinkage in molding of this product is very similar to that of polypropylene. This modification also increases the tensile strength, modulus, and heat deflection temperature substantially. KYNAR® 370 can be injection molded and extruded.

General Information	
Filler / Reinforcement	Carbon Fiber
Features	Low Viscosity Semi Crystalline
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84 to 1.88	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	74 to 79		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C	34.5 to 55.2	MPa	
Break, 23°C	37.9 to 55.2	MPa	
Tensile Elongation (Break, 23°C)	0.0 to 20	%	ASTM D638
Flexural Modulus (23°C)	5520 to 6890	MPa	ASTM D790
Flexural Strength (23°C)	138 to 207	MPa	ASTM D790
Compressive Strength (23°C)	138 to 172	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	165 to 172	°C	ASTM D3418
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity [1] (20°C)	1.0E+11	ohms·cm	ASTM D257
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Melt Viscosity (232°C, 100 sec^-1)	800 to 1300	Pa·s	ASTM D3835
NOTE			
1.	65% R.H.		

infringement occurs, please contact us immediately.

Recommended distributors for this material

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