Shanghai Ofluorine PVDF J-2

Polyvinylidene Fluoride

Shanghai Ofluorine Chemical Technology Co., Ltd

Message:

Medium melt viscosity, more suitable for extrusion molding.
J-2 PVDF as raw materials, the finished products has excellent mechanical strength and flexibility. It can not be eroded by acid, alkali, strong oxidant, halogens. Good durability to aliphatic hydrocarbons, aromatic hydrocarbons, alcohol, aldehyde etc. In the work of hydrochloric acid, nitric acid, sulfuric acid, dilute alkali liquor, dense alkali liquor(40%) and 100deg.C, which keep stable.
Others, J-2 PVDF finished products has the properties of gamma-Ray resistant, UV resistant, and stability in wide temperature range.
Application: Be used in manufacturing PVDF tubes, PVDF pipes, PVDF rod etc.

General Information			
Features	Acid Resistant Alcohol Resistant Alkali Resistant Good Flexibility Good Thermal Stability Good UV Resistance High Strength Hydrocarbon Resistant Low to No Odor Medium Viscosity Oxidation Resistant Radiation (Gamma) Resistant		
Uses	Piping Rods Tubing		
Appearance	Translucent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.77 to 1.79	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/12.5 kg)	10 to 25	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	< 0.050	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	70 to 80		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield, 23°C	> 40.0	MPa	

Break, 23°C	> 30.0	MPa	
Tensile Elongation [2]			ASTM D638
Yield, 23°C	5.0 to 10	%	
Break, 23°C	> 50	%	
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature [3]	165 to 171	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	10°C/min		

Recommended distributors for this material

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