

Shanghai Ofluorine M-1 PVDF Molding Grade

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

Material Notes:

Description: M-1 PVDF is a kind of granules homopolymer, which has high melt viscosity, M-1 is more suitable for compression molding process. M-1 PVDF pellets as raw materials, the finished products has excellent mechanical strength and tenacity. 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 100°C temperature, its performance keep stable. Others, M-1 PVDF finished products has the properties of γ -Ray resistant, UV resistant, and stability in wide temperature range. Information provided by Shanghai Ofluorine Chemical Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shanghai-Ofluorine-M-1-PVDF-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.77 - 1.79 g/cc	1.77 - 1.79 g/cc	ASTM D792
Water Absorption	<= 0.050 %	<= 0.050 %	ASTM D570
Melt Flow	1.0 - 4.0 g/10 min @Load 10.0 kg, Temperature 230 °C	1.0 - 4.0 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70 - 80	70 - 80	ASTM D2240
Tensile Strength at Break	>= 30.0 MPa	>= 4350 psi	50mm/min; ASTM D638
Tensile Strength, Yield	>= 40.0 MPa	>= 5800 psi	50mm/min; ASTM D638
Elongation at Break	>= 20 %	>= 20 %	50mm/min; ASTM D638
Elongation at Yield	5.0 - 10 %	5.0 - 10 %	50mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	165 - 171 °C	329 - 340 °F	10°C/min; ASTM D3418
Flammability, UL94	V-0	V-0	

Descriptive Properties	Value	Comments
Appearance	White translucent pellets	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China