

## Shanghai Ofluorine Z-1 PVDF Injection Grade

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

### Material Notes:

Description: Z-1 PVDF is a kind of granular homopolymer, which has low melt viscosity, Z-1 is more suitable for injection molding. Z-1 PVDF pellets 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 100Â°C, which keep stable. Others, Z-1 PVDF finished products has the properties of ?-Ray resistant, UV resistant, and stability in wide temperature range. Application: manufacture PVDF tubing, PVDF piping, PVDF pump, PVDF valves etc. Information provided by Shanghai Ofluorine Chemical Technology

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shanghai-Ofluorine-Z-1-PVDF-Injection-Grade.php](http://www.lookpolymers.com/polymer_Shanghai-Ofluorine-Z-1-PVDF-Injection-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	15 - 25 g/10 min @Load 5.00 kg, Temperature 230 Â°C	15 - 25 g/10 min @Load 11.0 lb, Temperature 446 Â°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	>= 50 %	>= 50 %	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 Â°C	329 - 340 Â°F	10Â°C/min; ASTM D3418
Flammability, UL94	V-0	V-0	

Descriptive Properties	Value	Comments
Appearance	White translucent pellets	

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