

Shanghai Ofluorine T-1 PVDF for coatings (DF-1)

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

Material Notes:

Description: T-1 PVDF for coatings is solid powder, it can mixed with acrylic resin, additive, and become superior performance baking PVDF fluorocarbon coatings. Compared with other grade of PVDF, T-1 is more suitable for stoving finish, baking light color coatings. T-1 PVDF powder as raw materials, through mixtures, spray process, the fluorocarbon coatings have good mechanical strength, flexibility, good irradiation resistant, excellent adverse weather conditions resistant, and stability in wide temperature range. Application: T-1 PVDF be widely used in coil coatings, curtain wall, skylight, roof, aluminum extrusion profiles, aluminum composite panel, composite board etc. Use method: Roller coatings, Bruching, dipping, spraying , powder electrostatic spraying, it become coating film after baking. PVDF coatings performance: Super weatherability, it can be used more than 20 years on outdoor weather. Excellent temperature resistance, PVDF coatings can be long-time used in -60Â°C-150Â°C. PVDF coating standard: America AAMA 2605-98 and P.R. China chemical industry standard HGT3793-2005 Information provided by Shanghai Ofluorine Chemical Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shanghai-Ofluorine-T-1-PVDF-for-coatings-DF-1.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.74 - 1.77 g/cc	1.74 - 1.77 g/cc	ASTM D792
Water Absorption	0.10 %	0.10 %	Karl Fischer
Melt Flow	<= 2.0 g/10 min @Load 10.0 kg, Temperature 230 Â°C	<= 2.0 g/10 min @Load 22.0 lb, Temperature 446 Â°F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	156 - 165 Â°C	313 - 329 Â°F	10Â°C/min; ASTM D3418
Decomposition Temperature	382 - 393 Â°C	720 - 739 Â°F	1% Wt. loss. Air; TGA

Descriptive Properties	Value	Comments
Appearance	White powder	
Hegman Grind	5.5	D1210, B
Purity	0.995	

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