

# Shanghai Ofluorine PVDF T-1

Polyvinylidene Fluoride

Shanghai Ofluorine Chemical Technology Co., Ltd

Message:

T-1 PVDF for liquid coating is solid powder, it can mixed with acrylic resin, additive, and become superior performance baking PVDF fluorocarbon coatings. Compare 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 and use method

T-1 PVDF be widely used in coil coatings, curtain wall, skylight, roof, aluminium extrusion profiles, aluminium composite panel, composite board etc.

Use method: Roller coatings, Brushing, 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 -60°C to 150°C

PVDF coating standard

America AAMA 2605-98

P.R. China chemical industry standard HG/T 3793-2005

General Information			
Features	Clean/High Purity		
	Good Flexibility		
	Good Strength		
	Good Weather Resistance		
	Low to No Odor		
	Radiation (Gamma) Resistant		
Uses	Coating Applications		
Appearance	White		
Forms	Powder		
Processing Method	Coating		
	Dip Coating		
	Electrostatic Spray Coating		
	Spraying		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.74 to 1.77	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	0.0 to 2.0	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.10	%	Karl Fisher
Purity	99.5	%	
Hegman Grind	5.50	B	ASTM D1210
Thermal Decomposition Temperature <sup>1</sup>	382 to 393	°C	TGA
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature <sup>2</sup>	156 to 165	°C	ASTM D3418

## NOTE

- |    |                |
|----|----------------|
| 1. | % Wt. loss Air |
| 2. | 10°C/min       |

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