

Hylar® 301F

Polyvinylidene Fluoride

Solvay Specialty Polymers

Message:

Hylar® 301F is a high melt viscosity polyvinylidene fluoride (PVDF) powder used for for non-architectural dispersion coatings.

General Information			
Features	High Viscosity		
	Homopolymer		
Uses	Coating Applications		
Forms	Powder		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.75 to 1.77	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.020	%	ASTM D570
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	160	°C	ASTM D3418
Peak Crystallization Temperature (DSC)	124	°C	ASTM D3418
Specific Heat	1300	J/kg/°C	ASTM D3418
Crystallization Heat	44.0	J/g	ASTM D3418
Heat of Fusion	40.0	J/g	ASTM D3418
Thermal Stability ²			
Air	375	°C	
Nitrogen	410	°C	
Hegman Grind - Dispersion	5.50		ASTM D1210
Optical	Nominal Value		Test Method
Gloss (60°)	25		ASTM D523
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity	2900 to 3300	Pa · s	ASTM D3835
NOTE			
1.	23°C		
2.	1% mass loss		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

