Hylar® 301F

polyvinylidene fluoride

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

General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• High Viscosity	• Homopolymer
Uses	• Coating Applications	
Forms	• Powder	
Processing Method	• Coating	

Physical	Typical Value	Unit	Test method
Density [1]	1.75 to 1.77	g/cm³	ASTM D792
Water Absorption (Equilibrium)	0.020	%	ASTM D570

Thermal	Typical 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	

Optical	Typical Value	Unit	Test method
Gloss (60°)	25		ASTM D523

Fill Analysis	Typical Value	Unit	Test method
Melt Viscosity	2900 to 3300	Pa·s	ASTM D3835

Additional Information	Typical Value	Unit	Test method
Hegman Grind - Dispersion	5.50		ASTM D1210

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Notes

Typical properties: these are not to be construed as specifications.

[1] 23°C

[2] 1% mass loss

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