Solef® 1015

Polyvinylidene Fluoride

Solvay Specialty Polymers

Message:

Solef® 1015 PVDF homopolymer has very high viscosity, suitable for membrane manufacturing. It is available exclusively as powder.

General Information			
Features	Homopolymer Ultra High Viscosity		
Uses	Membranes		
Forms	Powder		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.75 to 1.80	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	2.8 to 4.6	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	< 0.040	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1] (23°C, 2.00 mm)	2100 to 2300	MPa	ASTM D638
Tensile Strength [2]			ASTM D638
Yield, 23°C, 2.00 mm	53.0 to 57.0	MPa	
Break, 23°C, 2.00 mm	35.0 to 50.0	MPa	
Tensile Elongation [3]			ASTM D638
Yield, 23°C, 2.00 mm	5.0 to 10	%	
Break, 23°C, 2.00 mm	20 to 50	%	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-40.0	°C	ASTM D4065
Melting Temperature	171 to 175	°C	ASTM D3418
Peak Crystallization Temperature (DSC)	137 to 144	°C	ASTM D3418
Crystallization Heat	50.0 to 56.0	J/g	ASTM D3417
Heat of Fusion	57.0 to 66.0	J/g	ASTM D3417
NOTE			
1.	Type IV, 1.0 mm/min		
2.	Type IV, 50 mm/min		
3.	Type IV, 50 mm/min		

Recommended distributors for this material

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