

INOFLAR™ 1135

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOFLAR™ 1135 is a high molecular weight PVDF homopolymer resin recommended for solution processing applications. It is suitable for casting of both flat sheet and hollow fiber membranes.

PRODUCT FEATURES

- High viscosity
- Excellent chemical resistance
- Good thermal & mechanical performance
- Good solubility in polar solvents

TYPICAL PROPERTIES

Physical	Unit	Value	Test Method
Specific Gravity	-	1.76 – 1.79	ASTM D792
Water Absorption	%	< 0.04	ASTM D570
Rheological			
Melt Mass Flow Rate (230 °C, 21.6 Kg Load)	g/10min	2 – 6	ASTM D1238
Mechanical *			
Tensile Modulus	MPa	1400 – 2300	ASTM D638
Tensile Strength (Yield)	MPa	40 – 55	ASTM D638
Tensile Strength (Break)	MPa	25 – 50	ASTM D638
Tensile Elongation (Yield)	%	5 – 10	ASTM D638
Tensile Elongation (Break)	%	> 20	ASTM D638
Thermal			
Glass Transition Temperature	°C	-40	ASTM D4065
Melting Temperature	°C	160 – 165	ASTM D3418
Flammability			
Oxygen Index	%	44	ASTM D2863

PACKAGING

INOFLAR™ 1135 powder is available in 25 Kg plastic drums, packed in a polyethylene liner.

HANDLING AND STORAGE

INOFLAR™ 1135 presents no safety hazard under normal handling conditions. Please refer to the material safety data sheet to avoid potential hazards prior to processing.

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