

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
- INOFLAR[®] PVDF resins are manufactured without the use of fluoro-surfactants.

TYPICAL PROPERTIES

Physical Unit	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
Molding Shrinkage - Flow	%	< 3	Internal Method
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



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INOFLAR® 1135

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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SALES AND TECHNICAL SUPPORT

Corporate & Marketing office:

Gujarat Fluorochemicals Limited

Inox Towers, Plot no. 17, Sector 16/A

Noida-202301, U.P., INDIA

Tel: +91-120-6149600

Fax: +91-120-6149610

Europe

Gujarat Fluorochemicals GmbH

Esplanade 40, 9th Floor

20354 Hamburg, Germany

+49 040 5582 395- 80

Works

Gujarat Fluorochemicals Limited

12/A, GIDC Dahej Industrial Estate.

Tehsil- Vagra, Distt. Bharuch-392230, Gujarat, INDIA

Website: www.fluonox.co.in; www.gfl.co.in

Email: contact@gfl.co.in

Americas

GFL Americas, LLC

1212 Corporate Dr., Suite-540,

Irving, TX 75038, USA

+1 512 446 7700

