

## INOFLAR® 1160

# TECHNICAL DATA SHEET

### TECHNICAL INFORMATION

INOFLAR® 1160 is a very high molecular weight PVDF homopolymer resin in powder form suitable for use as binders in batteries.

### PRODUCT FEATURES

- High viscosity
- Excellent chemical resistance
- Good thermal & mechanical performance
- Excellent electrochemical stability
- 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
<b>Rheological</b>			
Melt Viscosity (230 °C, 100 S <sup>-1</sup> )	kPoise	40 -50	ASTM D3835
<b>Mechanical</b>			
Tensile Strength (Yield)	MPa	40 – 55	ASTM D638
Tensile Strength (Break)	MPa	35 – 45	ASTM D638
Tensile Elongation (Break)	%	>20	ASTM D638
<b>Thermal</b>			
Melting Temperature	°C	156 - 165	ASTM D3418
<b>Flammability</b>			
Oxygen Index	%	44	ASTM D2863



Inoflar® PVDF resins are manufactured without the use of Fluoro-surfactants

# INOFLAR® 1160

## PACKAGING

INOFLAR® 1160 powder is available in 25 Kg plastic drums, packed in a polyethylene liner.

## HANDLING AND STORAGE

INOFLAR® 1160 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-201301, U.P., INDIA

Tel: +91-120-6149600

Fax: +91-120-6149610

### Europe

#### Gujarat Fluorochemicals GmbH

Esplanade 40, 9<sup>th</sup> Floor

20354 Hamburg, Germany

+49 040 5582 395- 80

### Works

#### Gujarat Fluorochemicals Limited

12/A, GIDC Dahej Industrial Estate.

Tehsil- Vagra, Distt. Bharuch-392130, Gujarat, INDIA

Website: [www.fluonox.co.in](http://www.fluonox.co.in); [www.gfl.co.in](http://www.gfl.co.in)

Email: [contact@gfl.co.in](mailto:contact@gfl.co.in)

### Americas

#### GFL Americas, LLC

1212 Corporate Dr., Suite-540,

Irving, TX 75038, USA

+1 512 446 7700

