

PFA 8003

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOFLON® PFA 8003 is a melt-processable fluoroplastic resin available in pellet form. It can be processed by extrusion, injection, transfer, and compression molding. Applications for INOFLON® PFA 8003 include tubing, chemical linings for pipes, valves, and fittings used in the chemical processing industries.

PRODUCT FEATURES

- Smooth surfaces
- Excellent chemical resistance
- Service temperature up to 260°C (500°F)
- Good electrical and mechanical properties

TYPICAL PROPERTIES

Properties	Test Method	Unit	Nominal Value
Melt Flow Rate	ASTM D 1238	g/10 min	2.3
Specific gravity	ASTM D 792	-	2.15
Melting points	ASTM D 4591	°C (°F)	307 (585)
Tensile strength	ASTM D 3307	MPa (psi)	28 (4061)
Elongation	ASTM D 3307	%	300

Note: These are typical properties and not to be used for specification purposes.

FDA COMPLIANCE

INOFLON® PFA comply with FDA Regulation 21CFR 177.1550 and when products made from INOFLON® PFA 8003 are correctly processed, that is sintered at high temperature practiced by industries, they may comply with FDA Regulation 21CFR 177.1550 for use in contact with food.

PACKAGING

INOFLON® PFA 8003 pellets are packaged in 25 kg bags .

INOFLON® PFA 8003

HANDLING AND STORAGE

INOFLON® PFA 8003 can be stored for a relatively long period of time provided they are stored in a clean place, dry place and protected by direct sunlight and possible contamination.

PROCESSING

INOFLON® PFA 8003 can be processed by conventional melt processing techniques like extrusion, injection, compression, and transfer molding. Corrosion resistance metals should be used in contact with molten PFA resin. PFA generally processed at a high temperature approximately around 390°C (734°F).

SAFETY PRECAUTIONS

Handling and processing of PFA must be done in ventilated areas to prevent personnel exposure to the fumes liberated during sintering and heating of the resin. Fumes should not be inhaled and eye and skin contact must be avoided. In case of skin contact wash with soap and water immediately. In case of eye contact, flush with water immediately and seek medical help. Smoking tobacco or cigarettes contaminated with PFA may result in a flu-like condition including chills, fever and sore throat that may not occur until a few hours after exposure has taken place.

Mixtures of some metal powders such as magnesium or aluminum are flammable and explosive under some conditions. Please read the Material Safety Data Sheet and the detailed information in the "Guide for the Safe Handling of Fluoropolymer Resins" available at www.plasticseurope.org.

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WARNING: Do not use any of INOFLON® PFA resins in medical devices that are designed for permanent implantation in the human body. For other medical uses, prior permission of GFL may be sought.

SALES AND TECHNICAL SUPPORT

Corporate & Marketing Headquarter

Gujarat Fluorochemicals Limited
INOX Towers, 17, Sector-16A,
Noida - 201301 U.P., India
+91 120 6149600

Europe

Gujarat Fluorochemicals GmbH
Regus Center Watermark 14th Floor,
Überseeallee 10, 20457 Hamburg, Germany
+49 40 808074-667/668

Works

Gujarat Fluorochemicals Limited
12/A Dahej, GIDC, Industrial Estate,
Tehsil Vagra, Dist. Bharuch 392130, Gujarat, India
+91 2641 618003

Americas

GFL Americas, LLC
1212 Corporate Dr., Suite-540,
Irving, TX 75038, USA
+1 512 446 7700

