

### TECHNICAL DATA SHEET

#### TECHNICAL INFORMATION

INOFLON® PFA 8015HSP, ultra-high pure grade is a melt-processable fluoroplastic resin available in pellet form. This is modified grade of PFA 8015HS with several additional benefits including enhanced purity and improved thermal stability while processing. It can be processed by extrusion and injection Molding Process. Applications for INOFLON® PFA 8015HSP include semiconductor components, extrusion of electric wires and injection molded articles requiring superior electrical, chemical, and thermal properties.

#### TYPICAL PROPERTIES

Properties	Test Method	Unit	Nominal Value
Melt Flow Rate	ASTM D 1238	g/10 min	13
Specific gravity	ASTM D 792	-	2.15
Melting points	ASTM D 4591	°C (°F)	307 (585)
Tensile strength	ASTM D 3307	MPa (psi)	Min. 25 (3626)
Elongation	ASTM D 3307	%	Min. 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 8015 are correctly processed at high temperature practiced by industries, they may comply with FDA Regulation 21CFR 177.1550 for use in contact with food.

#### PACKAGING

INOFLON® PFA 8015HSP pellets are packaged in 25 kg bags.

#### PRODUCT FEATURES

- Ultra-high pure with extremely low level of extractable ions
- Excellent chemical resistance
- Service temperature up to 260°C (500°F)
- Good electrical and mechanical properties
- SEMI F57 and SEMI C90 compliant
- Smooth surface and good non-stick characteristics

# INOFLON® PFA 8015HSP

## HANDLING AND STORAGE

INOFLON® PFA 8015HSP 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 8015HSP can be processed by conventional melt processing techniques like extrusion and injection Molding especially when ultra-low levels of extractable ions are required, making it suitable for semiconductor Industries. 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 processing 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](http://www.plasticseurope.org).

INOFLON® is the brand name of Gujarat Fluorochemicals Limited (GFL) used for its brand of fluoropolymer resin. INOFLON® can be used in applications duly approved by GFL. Customers who plan to use the word INOFLON® as the trademark on or relation to their fluoropolymer parts and other products in any style or combination or any manner whatsoever must contact GFL for prior permission for such use. No consumer/user of GFL fluoropolymer resin is permitted to claim that their products contain INOFLON® without prior permission from GFL.

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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.

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