

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOFLON® PFA 8900 is a melt-processable of fine PFA particles aqueous dispersion. It can be used for a coating system of high-performance non-stick coatings and impregnation of woven packing, yarn & glass fabric in combination with PTFE dispersions.

FEATURES AND BENEFITS

- Good weldability
- Excellent chemical resistance
- Wide service temperature range from -200 °C to +260 °C
- Excellent film forming properties
- Low abrasion
- Good non-stick properties

TYPICAL PROPERTIES

| Properties | Test Method | Unit | Nominal Value |
|---------------------------------------|-----------------------------|----------|---------------|
| Solid content (% PFA resin by weight) | ASTM D4441/DIN EN ISO 12086 | % | 50 |
| Surfactant content on PFA solids | ASTM D4441/DIN EN ISO 12086 | % | 6 |
| Specific gravity | ASTM D4441/DIN EN ISO 12086 | - | 1.4 |
| pH of dispersion | ASTM E70/DIN ISO 976 | - | >9.5 |
| Melt Flow Rate | ASTM D1238 | g/10 min | 15 |
| Melting Point | ASTM D4591 | °C (°F) | 307 (584) |

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

FDA COMPLIANCE

When products made from INOFLON® PFA 8900 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.

Note- Unsintered dispersion products do not comply.

PACKAGING

INOFLON® PFA 8900 is available in 30 litre (7.9 gal) non-returnable plastic drum and 1000 litre (264 gal) IBC recyclable containers.

INOFLON® PFA 8900

HANDLING AND STORAGE

Aqueous dispersions should be stored at temperatures between 5°C and 25°C. Freezing the dispersion or storage of dispersion at high temperatures must be avoided due to its irreversible coagulating effect on PFA particles. Aqueous dispersions have a low settling tendency although if the dispersions are to be stored for a long duration, it should be rolled or gently agitated twice a month or before usage to rejuvenate settled particles.

Ammonium hydroxide is used by GFL to maintain the pH of dispersion between 9.5 and 10.5 at the time of shipment. High ambient temperatures can deplete the ammonia level and reduce the pH which favours bacterial growth in dispersion and can cause odour and scum. The pH should be monitored and maintained between 9.5 and 10.5.

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.

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.

The information provided in the bulletin is furnished at no cost to the recipient and is based on the information and technical data that Gujarat Fluorochemicals Limited believes is correct and sound. Those who choose to use the information must be technically qualified, and do so entirely at their own cost and risk. The users must determine and ensure that their specific conditions of processing present no health or safety hazards. GFL does not warranty, either expressly or impliedly in respect of the use of this information for application of its INOFLON® branded fluoropolymer resin and shall bear no liability as a result of any loss or damage caused directly or indirectly due to use of any information provided in this bulletin. Nothing contained herein can be taken or construed as a grant of license by GFL to operate under or a recommendation to infringe any patents.

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 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, 9th 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; 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

