INOFLON® Fluoropolymers

GUJARAT FLUOROCHEMICALS
VALUE THROUGH GREEN CHEMISTRY

PFA 8910

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOFLON® PFA 8910 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.

PRODUCT FEATURES

- 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	%	60
Surfactant content on PFA solids	ASTM D4441/DIN EN ISO 12086	%	6
Specific gravity	ASTM D4441/DIN EN ISO 12086	-	1.5
pH of dispersion	ASTM E70/DIN ISO 976	-	>9.5
Melt Flow Rate	ASTM D1238	g/10 min	2
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 8910 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 8910 is available in 30 litre (7.9 gal) non-returnable plastic drum and 1000 litre (264 gal) IBC recyclable containers.

INOFLON® PFA 8910

HANDLING AND STORAGE

Aqueous dispersions should be stored at temperatures between 10°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 favors bacterial growth in dispersion and can cause odor 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.

SALES AND TECHNICAL SUPPORT

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