

Algoflon® D 1610 F

Polytetrafluoroethylene
Solvay Specialty Polymers

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Technical Data

Product Description

Algoflon® D 1610 F is a PFOA-free white aqueous PTFE dispersion. It is designed for additivation of plastics and is particularly recommended for use as anti-drip in flame retardant formulations.

Algoflon® D 1610 F exhibits good wetting properties and shear stability.

Main features of Algoflon® D 1610 F PTFE dispersion are:

- NO polyethoxylated alkylphenols
- Very good wetting properties
- Good shear stability
- Excellent anti-dripping effect

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• Solvay Specialty Polymers
Availability	• Asia Pacific • Europe • North America
Features	• Good Chemical Resistance • High Heat Resistance • Low Friction
Uses	• Additive • Impregnation Applications
Appearance	• White
Forms	• Latex

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Average Particle Size	9.8E-6 in	250 nm	Internal Method
Density	94.27 lb/ft ³	1.510 g/cm ³	ASTM D4441
pH	> 9.0	> 9.0	ASTM D4441

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Non Ionic Surfactant - (on the mixture)	3.5 wt%	3.5 wt%	ASTM D4441
PTFE Content - (on the mixture)	60.0 wt%	60.0 wt%	ASTM D4441

Processing

- Algoflon® D 1610 F can be processed undiluted or diluted using distilled or deionized water.

Storage and Handling

- Algoflon® PTFE dispersions must be stored under suitable temperature conditions to ensure prolonged stability. Temperatures lower than 5°C must be avoided to prevent irreversible settling. Also, some settling may occur on prolonged standing and/or heat exposure. It is therefore strongly recommended that the product is always kept at temperatures below 35°C. The optimum storage temperature range is 10-25°C. It is also advisable that the product is homogenized by gentle rolling or stirring once per month and prior to use.

Safety and Toxicology

- Before using Algoflon® PTFE dispersions consult the product Material Safety Data Sheet and follow all label directions and handling precautions. As with all PTFE materials, handling and processing should only be carried out in well ventilated areas. Venting units should be installed above processing equipment. Fumes must not be inhaled and eye and skin contact ought to be avoided. In case of skin contact wash with soap and water. In case of eye contact flush with water immediately and seek medical help. Do not smoke in areas contaminated with powder, vapor or fumes. See Material Safety Data Sheet for detailed advice on waste disposal methods

Packaging

- Algoflon® D 1610 F is packaged in either 30 kg drums or 1500 kg IBC's.

Additional Technical Information

- For Material Safety Data Sheet or additional technical information consult your Solvay Specialty Polymers sales representative.

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

Solvay Specialty Polymers
Alpharetta, GA USA
Telephone: 800-621-4557
Web: <http://www.solvayspecialtypolymers.com/>

Distributor

Please contact the supplier to find a distributor for Algoflon® D 1610 F

