

Algoflon® D 1610 F

polytetrafluoroethylene

Algoflon® D 1610 F is a white aqueous PTFE dispersion and is produced without any intentional use or addition of PFOA. 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	
Availability	• Asia Pacific • Europe	• North America
Features	• Chemical Resistant • High Heat Resistance	• Low Friction
Uses	• Additive	• Impregnation Applications
Appearance	• White	
Forms	• Latex	

Physical	Typical Value	Unit	Test method
Average Particle Size	250	nm	Internal Method
Density	1.51	g/cm ³	ASTM D4441
pH	> 9.0		ASTM D4441

Additional Information	Typical Value	Unit	Test method
Non Ionic Surfactant - (on the mixture)	3.5	wt%	ASTM D4441
PTFE Content - (on the mixture)	60.0	wt%	ASTM D4441

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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.
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Notes

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