

Algoflon® D 1610 F polytetrafluoroethylene

Algoflon® D 1610 F is a white aqueous PTFE dispersion. It is designed for additivition 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	wt%	ASTM D4441

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polytetrafluoroethylene

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. Prolonged exposure to temperatures lower than 5°C must be avoided to prevent irreversible settling. Also, some settling may occur on prolonged standing and/or heat exposure. Therefore, it is strongly recommended to keep the product below 35°C. The optimum storage temperature range is 5–25 °C. If the product remains continuously out of the range 5–35 °C for long times, we suggest bringing it in the range 5–25 °C followed by the re-homogenization under gentle stirring and the removal of eventual agglomerated particles with a filter of 200 µm and 20 µm before the use.
- It is also advisable that the product is homogenized by gentle rolling or stirring once per month and prior to use. Syensqo recommends both stirring and filtration for the removal of eventual agglomerate if the product remains in stock for more than three months without gentle stirring.
- Prolonged exposure of the PTFE latex to air could lead to some coagulation at the surface due to water evaporation. For this reason and also to avoid contamination, it is recommended to keep the containers closed when not in use.
- The pH of product must be kept in the range 9.5–11.0 for avoiding bacterial growth that causes odor and scum.
- During handling, violent agitation and pumping must be avoided to minimize agglomeration and foaming formation. It is recommended to convey the dispersion by gravity from its container to the processing station.

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 Syensqo sales representative.

Notes

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

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www.syensqo.com

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

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