

Technical Information

INOLUB™Q920F is an aqueous milky dispersion which consists of very small particles (<0.25 micron) of PTFE resin, stabilized in water by non-ionic surfactant.

INOLUB™Q920F is formulated for use in aqueous media, but may also be used in a wide range of applications as an additive at concentration in the range 1-20%.

Product features and benefits

- ◆ Low friction and squeak
- ◆ Excellent wear resistance
- ◆ Improved stain resistance and soil release
- ◆ PFOA free
- ◆ FDA/EU complaint

Typical Properties of INOLUB™ Q920F

Properties	Test Method	Unit	Nominal Value
Solid content (% PTFE resin by weight)	ASTM D4441/DIN EN ISO 12086	%	60
Surfactant content on PTFE solids	ASTM D4441/DIN EN ISO 12086	%	6
Specific gravity	ASTM D4441/DIN EN ISO 12086	-	1.51
Average particle size	INTERNAL	nm	220
pH of dispersion	ASTM E70/DIN ISO 976	-	>9.5

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

Typical end use applications

INOLUB™Q920F is a versatile product and can be used as an additive in polymers, coatings, paints, and lubricants.

INOLUB™Q920F may also be used in polymers to reduce friction and wear, as well as a drip-suppressant for flame retardant formulations.

For more information, please contact Gujarat Fluorochemicals Limited

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FDA/EU Statement

INOLUB™Q920F meets the compositional requirement of Food and Drug Administration (FDA) regulation 21C.F.R.177.1550, and EU food contact regulation 10/2011. A detailed statement is available upon request.

Handling and Storage

Aqueous dispersions should be stored at temperatures between 10°C to 25°C. Freezing the dispersion or storage of dispersion at high temperature must be avoided due to its irreversible coagulating effect on PTFE 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 to 10.5.

Please also read our Material handling and Storage guide for more information.

Safety and Handling

Although INOLUB™Q920F presents no safety hazard under normal handling conditions, please, refer to the material safety data sheet to avoid potential hazards prior to processing.

Packaging

INOLUB™Q920F is available in 30 litre (7.9 gal) non-returnable plastic drum and 1000 litre (264 gal) IBC recyclable containers.

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Note warning: Do not use any of INOLUB™ PTFE additives in medical devices that are designed for permanent implantation in the human body. For other medical uses, prior permission of GFL may be sought.

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