

WD204F

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOLUB® WD204F is a low molecular weight aqueous milky dispersion which consists of very small particles (<0.20 µm) of PTFE resin, stabilized in water by non-ionic surfactant. It is formulated for use in aqueous media.

FEATURES AND BENEFITS

- Low friction and squeak
- Excellent wear resistance
- Improved stain resistance and soil release
- PFOA free
- FDA compliant

PROPERTIES

Properties	Test Method	Unit	Nominal Value
Solid Content (% PTFE resin by weight)	ASTM D4441	%	50
Melt Flow Index of PTFE resin (372°C/2.16 kg/2.095mm)	ASTM D1238	g/10 min	3.0
Specific gravity	ASTM D4441	-	1.51
Average particle size	GFL Internal Method	nm	<200
pH of dispersion	ASTM E70	-	>9.5

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

TYPICAL END USE APPLICATIONS

INOLUB® WD204F is advised for a wide variety of applications in coatings and printing ink formulations. It is suitable film for thin film applications at a typical level of 1-5% solid by weight to the total formulation.

REACH COMPLIANCE

INOLUB® WD204F does not contain PFOA and PFOS, intentionally or unintentionally, and comply with REACH regulations for POPs as per (EU) 2019/1021 & EU 2020/784.

FDA/EU STATEMENT

INOLUB® WD204F meets the compositional requirement of food contact regulations, US FDA 21 C.F.R.177.1550, and EU 10/2011. A detailed statement is available upon request.

PACKAGING

INOLUB® WD204F is available in 30 litre (7.9 gal) non-returnable plastic drum and 1000 litre (264 gal) IBC recyclable containers.

INOLUB® WD204F

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 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 favors bacterial growth in dispersion and can cause odor and scum. The pH should be monitored and maintained between 9.5 and 10.5.

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

SAFETY AND HANDLING

Although INOLUB® WD204F presents no safety hazard under normal handling conditions, please refer to the Material Safety Data Sheet to avoid potential hazards before processing.

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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.

SALES AND TECHNICAL SUPPORT

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