

R810F

(Rheology modifier)

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOLUB™ R810F is a PTFE micropowder with discrete particles and good powder flow. Viscosity effects are minimized, and migration tendency is also reduced. INOLUB™ R810F is one of our most versatile products and can be used in a wide range of applications as an additive at a concentration in the range of 1-20%.

PRODUCT FEATURES

- Low friction and squeak
- Excellent wear resistance
- Improved stain resistance and soil release
- Improved pressure velocity limits
- FDA/EU compliant
- Discrete particles, providing minimal rheological impact

TYPICAL PROPERTIES

Properties	Test Method	Unit	Nominal Value
Appearance	-	-	White free flowing powder
Bulk density	ASTM D4894	g/l	750
Mean particle size	ASTM D4894	µm	600
Specific surface area	Nitrogen Adsorption	m ² /g	<3
Melting point	ASTM D4894	°C (°F)	342 (648)

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

TYPICAL END USE APPLICATIONS

INOLUB™ R810F is a versatile product and can be used as an additive in polymers, coatings, paints, and lubricants. INOLUB™ R810F may also be used in polymers to reduce friction and wear, and to improve non-stick performance.

FDA/EU STATEMENT

INOLUB™ R810F 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.

INOLUB™ R810F

PACKAGING

INOLUB™ R810F is available in 25 kg corrugated boxes, packed in a polyethylene liner.

STORAGE

INOLUB™ R810F may be stored indefinitely, provided that the packaging remains unopened and that it has been stored in a clean and dry area at temperature below 27°C (80°F).

SAFETY AND HANDLING

Although INOLUB™ R810F 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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