

Technical Information

INOLUB™R820F is a PTFE micropowder with discrete particles and good powder flow. Viscosity effects are minimised, and migration tendency is also reduced.

INOLUB™R820F is one of our most versatile products, and can 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
- ◆ Improved pressure velocity limits
- ◆ FDA/EU complaint
- ◆ Discrete particles, providing minimal rheological impact

Typical Properties of INOLUB™ R820F

| Properties | Test Method | Unit | Nominal Value |
|-----------------------|---------------------|-------------------|---------------------------|
| Appearance | - | - | White free flowing powder |
| Bulk Density | ASTM D4894 | g/l | 800 |
| Mean Particle Size | ASTM D4894 | µm | 500 |
| 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™R820F is a versatile product and can be used as an additive in polymers, coatings, paints, and lubricants.

INOLUB™R820F may also be used in polymers to reduce friction and wear, and to improve non-stick performance.

For more information, please contact Gujarat Fluorochemicals Limited

Corporate & Marketing Office :

INOX Towers, Plot No.17, Sector 16A
Noida-201301, U.P., INDIA
Tel : +91-120-6149600
Fax : +91-120-6149630

Works :

12/A, GIDC Dahej Industrial Estate, Tehsil
Vagra, Distt. Bharuch-392130, Gujarat, INDIA
Website : www.inoflon.com
Email : inoflon@gfl.co.in



FDA/EU Statement

INOLUB™R820F 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.

Storage

INOLUB™R820F 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™R820F 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™R820F is available in 25 kg corrugated boxes, packed in a polyethylene liner.

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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.

Contact Information:
Gujarat Fluorochemicals Ltd.
Inox Towers, Plot No. 17
Sector 16A, Noida- 201301
U.P., India
Tel: +91-120-6149600
Fax: +91-120-6149630
Website: www.inoflon.com
Email: Inoflon@gfl.co.in