

## POLYFLON PTFE F-303

### Fine Powder for Past Extrusion

POLYFLON PTFE F-303 is a polytetrafluoroethylene fine powder resin for paste extrusion. It has been designed for large diameter or heavy wall tubing like chemical transfer or hydraulic hose as well as large diameter wire insulation that are processed at reduction ratios up to 1.200:1.

Typical properties of F-303 include a superior high pressure resistance, an excellent stress fatigue life, good flexibility, high thermal stability and clarity.

### Typical properties

Average Particles size	µm	Approx. 500	ASTM D 4895
Bulk Density	g/l	Approx. 450	ASTM D 4895
Specific Gravity		317 - 337	ASTM D 4895
Melting Point	°C	2,15	ASTM D 4895
Extrusion Pressure (at RR 300)	MPa	20	Daikin Method
Tensile Strength	MPa	> 20	ASTM D 4895
Elongation	%	> 220	ASTM D 4895
Flex life (at ambient)	Cycles	8x10 <sup>6</sup>	Daikin Method

**Note: Typical properties are not suitable for specification purpose**

### Typical applications

- Large diameter hose
- High pressure tubing
- Large diameter wire coating

### Packaging

POLYFLON PTFE Fine Powders are packaged in 25kg plastic drums.

### Important Notice

The information contained herein is based on technical data and tests we believe to be reliable and is intended for use by persons having technical knowledge and skill, solely at their own discretion and risk. Since conditions of use are outside of our control, we assume no responsibility for results obtained or damages incurred through application of the data given. The publication of the information herein shall not be understood as permission or recommendation for the use of our fluorocarbon compounds in violation of any patent or otherwise. We only warrant that the product conforms to description and specification, and our only obligation shall be to replace goods shown to be defective or refund the original purchase price thereof.

**MEDICAL USE:** These products are not specifically designed or manufactured for use in implantable medical and/or dental devices. They have not been tested for such applications and will only be sold for such use pursuant to contract containing specific terms and conditions required by us.

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