

POLYFLON PTFE F-208

Fine Powder for Past Extrusion

POLYFLON PTFE F-208 is a polytetrafluoroethylene fine powder resin for paste extrusion. It has been designed for small diameter coaxial cables and tubing applications that are run at high reduction ratios, from 200:1 up to 4.000:1. F-208 also demonstrates good thermal stability and excellent dimensional tolerance at low extrusion pressures and lower lubricant levels.

Typical properties

Average Particles size	µm	Approx. 500	ASTM D 4895
Bulk Density	g/l	Approx. 480	ASTM D 4895
Melting Point	°C	322 - 328	ASTM D 4895
Thermal Instability Index		0 - 5	ASTM D 4895
Dielectric Constant (at 12 GHz)		2,06	Cavity Resonance
Dissipation Factor (at 12 GHz)		$1,8 \cdot 10^{-4}$	Cavity Resonance
Extrusion Pressure (at RR 1500)	MPa	35	Daikin Method
Tensile Strength	MPa	> 19,6	ASTM D 4895
Elongation	%	> 350	ASTM D 4895

Note: Typical properties are not suitable for specification purpose

Typical applications

- Solid or stranded conductor wire
- Small diameter coaxial cable
- Push-pull cable
- Small diameter tubing

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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