

FLUOROTHERM POLYMERS

"A UNIVERSE OF POSSIBILITIES"

FLUOROTHERM™

Fluorotherm manufactures corrosion resistant products from PTFE, TFE, FEP, PFA,



Letter From Fluorotherm

To Our Valued Customers:

Fluorotherm started out as a specialty manufacturer of fluoropolymer products in 1992, under the aegis of Norton Performance Plastics, now St. Gobain Performance Polymers. That was 16 years ago!

With a strong R&D background in fluoropolymers, gained by our key people during their employment with DuPont; we have continued to progress toward a wider product range, including tubing manufacturing, to serve a broad range of applications in diverse markets.

Now, not only have we moved to expand our operations here in the US and overseas, but are responding to customer demand more than ever. Our newest products include:

- Expanded tubing line to cover a broad range of sizes in PTFE, FEP, PFA, ETFE and PVDF
- Immersion Coil Heat Exchangers in high temperature usage PVDF frames and either FEP or PFA tubing
- Custom fabricated tube products with flared, flanged, and custom shapes

We hope that you will join us in helping Fluorotherm pave a successful path for the future. We are grateful to all of our customers for their continued support.

Graciously,

Prabhat Shukla

Prabhat Shukla, President

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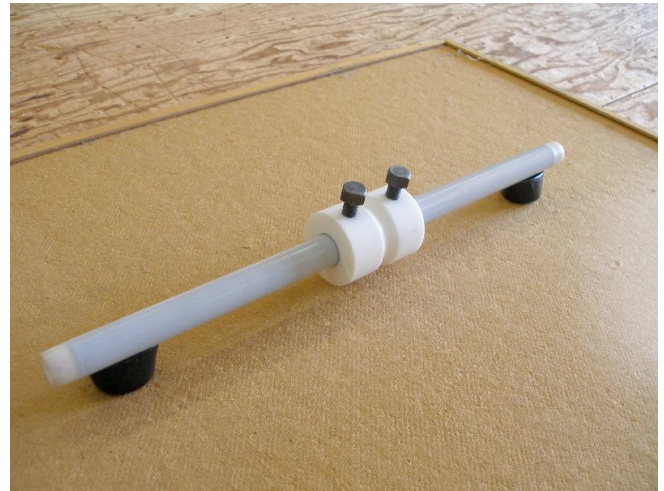
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Fluorotherm's New Product: Teflon Coated Load Bearing Rods

Fluorotherm introduces corrosion resistant load bearing metal rods; with complete encapsulation in PTFE, FEP, PFA. These rods may be used to support work in a corrosive environment such as a plating or coating bath, as carrier to transport work in a chemically aggressive environment and in numerous other uses.

The rigidity of the metal core provides strength that cannot be matched by plastic rods. A PTFE or other adapter of appropriate configuration over the encapsulated rod can be used as points of support.



Fluorotherm's Teflon Coated Rods



Fluorotherm's Load Bearing Rods

This encapsulated construction provides the strength of metal and the chemical resistance of Teflon® type materials. Such construction can bear upto 700 lb loads in nitric, HF; hydrochloric and sulfuric acid baths and other hazardous atmospheres.

The complete fluoropolymer encapsulation is distinctly superior to heat shrink tube covering where the wall thickness is too light to sustain reasonable loads or abrasive wear, without tearing or cracking. The high continuous use temperature of PTFE, FEP or PFA permits these materials to be used up to 400 deg F.

To see how Fluorotherm's Encapsulated Rods in Action click can assist you please visit [Fluorotherm's Website](http://www.fluorotherm.com)

Fluorotherm's Tubing in Color

Fluorotherm is now able to provide rapid turnaround times for a wide range of colored tubing in standard and custom sizes. For the range of industrial sizes commonly available, please see our listing under "Tubing Products". Tubing is available in PTFE, FEP, ETFE and PFA materials.

The product is shipped as rolls (coils) or in spools, if required, for sizes under 1/2" OD. While PTFE tubing is supplied in production lengths due to the batchwise production process, other materials are available in long continuous lengths, as required by customer.



Fluorotherm's Standard and Customized Tubing in Color

Color bases and loading uniformity is carefully monitored so as not to detract from the inherent unique thermal resistance, chemical inertness and electrical properties of PTFE, FEP and PFA.

These properties are listed under "Detailed Properties" on our website homepage. RoHS certifications are supplied with colored tubing, as applicable.

Please visit our [HOMEPAGE](#)

Fluorotherm FAQs

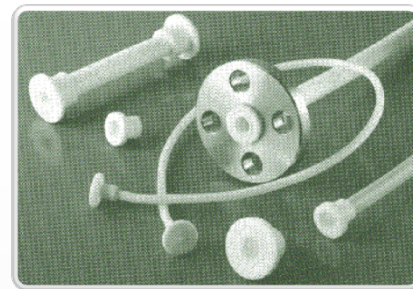
General FAQs

What are Fluorotherm's Teflon Coated Rods Specifications?

All rods are extruded from virgin resin using standard extrusion techniques. The following specifications apply to all PCTFE extruded rod manufactured by Fluorotherm Polymers.

- ASTM: D1430-89, Type 1, Grade 1 (Homopolymer)
- ASTM: D1430-89, Type 1, Grade 2 (Homopolymer)
- Federal Spec No For ASTM D1430-89, Type 1, Grade 1 is L-P-385C, Type1, Class 2
- Mil Spec: Mil-P-46036B
- AMS Spec: AMS-3650A

Be sure to check out all of Fluorotherm's capabilities online at www.fluorotherm.com



Customer Reviews

"Fluorotherm has exceeded our expectations with the wonderful, wonderful job you have done. The quality of your (PTFE tubing) product has pleasantly surprised everybody here. We look forward to doing business with Fluorotherm." - JH, Rhode Island.

"Your (PTFE/FEP tube) heat exchangers last very long. That's why we don't buy enough of them" - DS, Michigan.

"I have one less thing to worry about after Fluorotherm (FEP tubing) Heat Exchangers replaced our old tank(s) heating system. We are saving money. I will be happy to recommend your products" - GB, Pennsylvania.

"The (PFA tube coil) heat exchangers are working perfect. Your equipment and our workmanship made the replacement of (graphite block exchangers) a success. The (bath) temperature is the highest it has ever been." - RR, Pennsylvania

"I am very pleased with your product (PFA tubing heat

Suggestions or Comments?

If you would like to comment on the Fluorotherm Newsletter and/or write a review about a Fluorotherm product please e-mail sales@fluorotherm.com