



Fluoropolymers for High Performance Coatings

Adhesive Fluoropolymer Powders

Fluon® ETFE and PFA are thermoplastic fluoropolymers produced by AGC Chemicals, the world's largest manufacturer of ETFE.

These adhesive fluoropolymer powders offer the following advantages:

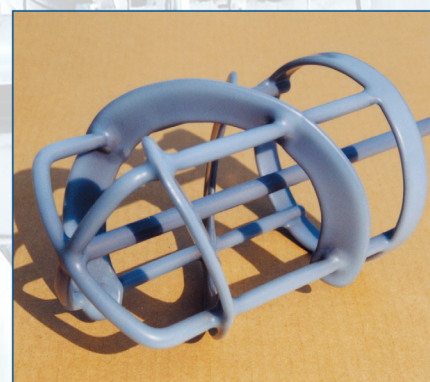
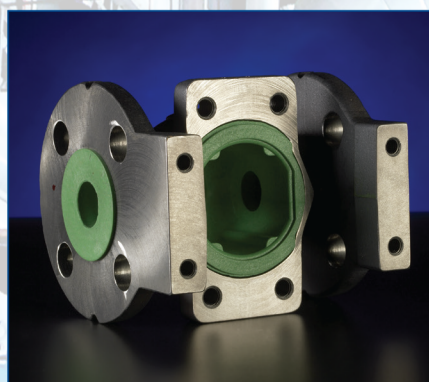
- ⬢ Excellent chemical resistance ensuring less chance of corrosion
- ⬢ Outstanding heat resistance (up to 260°C)
- ⬢ Exceptional electrical properties
- ⬢ Non-stick surfaces
- ⬢ Coating thicknesses from 50µm to 5mm
- ⬢ Seamless coatings
- ⬢ Food contact approval available
- ⬢ First-rate adhesion to the substrate, especially when used with primer
- ⬢ Good barrier performance
- ⬢ Abrasion resistance
- ⬢ Bond to metal (enhanced peel strength)
- ⬢ Low melt-point grades available

Processing Options:

- ⬢ Electrostatic spray coating
- ⬢ Rotolining
- ⬢ Fluid dip coating

Applications:

- ⬢ Corrosion-resistant coatings (centrifuges, vessels, reactors)
- ⬢ Butterfly valve coatings
- ⬢ Pump coatings



Your Dreams, Our Challenge



Virgin PTFE

AGC Chemicals produces a full range of virgin PTFE. The following types are used in coatings.

- ⬢ Aqueous dispersions, including adhesive dispersions
- ⬢ Granular & lubricant powders, as additives in coatings

PTFE offers the following advantages in coating systems:

- ⬢ UV & water resistant
- ⬢ Non-stick
- ⬢ Chemically and thermally stable
- ⬢ Highly flexible
- ⬢ Electrically resistant

Processing Options:

- ⬢ Aqueous dispersions are applied to substrates using various techniques, including spray and roller coating and require sintering
- ⬢ Lubricant powders and granular PTFE are added into a blend before the coating is applied

Applications:

- ⬢ Cookware coatings
- ⬢ Architectural coatings
- ⬢ Metal decoration (including can coatings)
- ⬢ Industrial coatings (anti-graffiti & easy-clean)



Contact

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