

Fact Sheet

TECAFLON PVDF

For a smooth process – clean, safe, consistent



TECAFLON PVDF is a semi-crystalline high-performance plastic known for its excellent chemical resistance, high purity, and easy workability. In fluid technology, PVDF is the material of choice when it comes to aggressive media, sensitive processes, or high cleanliness requirements.

Dimensions

Rods:

- Diameter: Ø 10 – 250 mm
- Length: 3,000 mm

Plates:

- Thickness: 10 – 100 mm
- Width: 500 – 1,000 mm
- Length: 3,000 mm

Tubes:

- Outer diameter: Ø 3 – 505 mm
- Inner diameter: Ø 2 – 390 mm
- Length: 3,000 mm

Industries

- Fluid Technik
- Semicon
- E-Mobility
- Electronics
- Mechanical
- Food

Material properties

- Very good chemical resistance
- Inherently flame retardant
- Continuous use temperature up to 140 °C
- Very good weldability
- Good sliding and friction properties
- Very good electrical insulation
- Very good UV and weather resistance

Application: Fluid technology

PVDF is ideal for components that come into contact with media in fluid technology, e.g., in water treatment, chemical process engineering, and food processing. Thanks to its chemical resistance, high purity, and thermal stability, the material is suitable for pump housings, pipes, linings, and other components that must withstand aggressive media over long periods of time.



Typical components in fluid technology made of PVDF – e.g., valve bodies

Compliances



Contact us for advice on selection and application



Product profile



Contact