

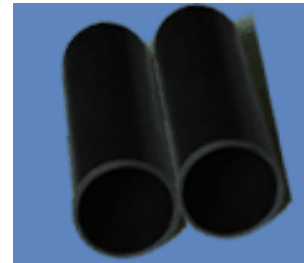
Acteflon specialists in PTFE

Item: **Acteflon- PTFE Filling Products**

Product Name: **PTFE Filling Products**

Use of the products:

As enhanced product has good corrosion-resistance, low friction and good hardness, it is widely used for the production of washer, valve, bearing, slide, piston ring, insulating sleeve, and self-lubricating seal.



PTFE Filling Products

PTFE has good performance such as heat or cold resistance, corrosion-resistance, non-adhesiveness, self-lubrication, good bioelectricity, and low friction coefficient. But its mechanical performance is not good in low abrasion and creep resistance, low hardness. Mechanical performance can be greatly improved and other good property of **PTFE** is maintained by adding to **PTFE** filler which can stand **PTFE** sinter temperature. Fillers can be glass fiber, metal, metal oxide, graphite, carbon fiber.

- Filling Glass Fiber:** Virgin PTFE Filling Glass Fiber can increase compressive strength, rigidity and wear.
Virgin PTFE Filling Glass Fiber can reduce creep and cold flow.
Virgin PTFE Filling Glass Fiber can have minimal effect on chemical and electrical properties
- Filling Carbon:** Virgin PTFE Filling Carbon will increase compressive strength, hardness, wear, and load properties.
Virgin PTFE Filling Carbon will remain the good chemical resistance.
Various types and amounts of carbon can be added to alter conductivity.
- Filling Graphite:** Virgin PTFE Filling Graphite will reduce coefficient of friction.
Reduces initial wear.
Increases strength
- Filling Molybdenum Disulfide:** Virgin PTFE Filling Molybdenum disulfide can increase hardness, stiffness, and wear.
Minimal effect on chemical and electrical properties.
- Filling Bronze:** Virgin PTFE Filling Bronze will increase hardness and wear resistance.
Increases dimensional stability and compressive strength.
Not suitable for corrosive or electrical applications.

Acteflon Specialists in PTFE

Product specification:

PTFE Filled Sheets:

PTFE Filled sheets manufactured by molding with **PTFE** granular resin, corrosion-resistant liner, seal, lining and gasket, scrap, guide rail, dielectric material for different frequency, bridge bearing slide.

PTFE Filled Tube:

PTFE Filled Tube is made by plunger extrusion of suspension polymerized **PTFE** resin, Lead insulating sleeve, corrosion-resistant **PTFE tube**, and corrosion-resistant insulating Teflon pipe for different corrosive conditions, heat exchanger.

PTFE Filled Rod:

PTFE Filled Rod has a wide range of practicable temperature from -180C~+260C and a wax-like surface to which anything hardly sticks. **PTFE Filled Rod** has the lowest coefficient of friction of all known solid materials. Filled Teflon bar has the best electrical properties of all plastic.

Acteflon Plastic Co., Ltd

Web: www.acteflon.com

Email: acteflon@acteflon.com