

# PTFE (TEFLON) ROD



## Features

- Low temperature and high temperature resistance (-180°C ~ +260°C)
- Corrosion resistance, weather resistance
- High lubricity, no adhesion
- Non-toxic
- Non-flamable
- Acid and alkali resistance (Except molten alkali metals)
- Antioxidant

## Application

- Battery electrode, electric products
- Lubricate bearings, piston rings, oil seals, seals and other machinery
- Filling different materials to enhance performance of the desired area according to requirements of customers

## Main Technical Indicator

| Property            | Unit              | Pure PTFE Result |
|---------------------|-------------------|------------------|
| Apparent density    | g/cm <sup>3</sup> | 2.10~2.30        |
| Tensile strength    | Mpa               | ≥15              |
| Ultimate elongation | %                 | ≥150             |

Note: When rod diameter is more than 16mm, only apparent density need be tested again.

## Categories

|              |  |
|--------------|--|
| Molded rod   | Produced by compression molding into pure rod and filled rod.(color,copper powder, glass fiber, graphite, carbon fiber, carbon powder, polyphenylene, etc) |
| Extruded rod | Produced by plunger extrusion processing of dispersion polymerization of PTFE resins.  |
| Pasted rod   | Produced by paste push processing of suspension PTFE resins into pure rods, graphite rods and glass fiber rods.  |

## Specifications

| Categories   | Size | Diameter(mm) | Length(mm)   |
|--------------|------|--------------|--------------|
|              |      |              |              |
| Molded rod   |      | 6~500        | 100~1000     |
| Extruded rod |      | 1~4          | 1000~5000    |
| Pasted rod   |      | 5~150        | 1000 or 2000 |

Note: The length could be processed according to requirement of customers.

