

PTFE Rod, 25% Glass Filled Quick Reference Guide



Overview

Our 25% Glass Filled PTFE Rods are ideal for making washers, anti-friction parts and chemical resistant components. These are solid, round bars that can be accurately machined and are very easy to work with.

PTFE, or Teflon™ as it is sometimes known, has one of the lowest co-efficient of friction values of any material (plastic or otherwise). This has led to its widespread use as a non-stick liner, guide material and its use in low friction bearings.

These rods are often used as an electrical insulation material because of its high dielectric strength, high temperature resistance and ease of handling.

Glass Filled PTFE is able to withstand continuous exposure to temperatures between -60°C and +260°C. It will also tolerate short-term spikes above this range.

These rods are non-flammable and have a flammability classification of UL 94VO.

They are also very resistant to UV and sunlight making them suitable for use outdoors. There are not suitable for use with high energy radiation.

Glass Filled PTFE Rod Sizes.

The table below lists all our standard sizes of 25% Glass PTFE Rods. To quickly find any on our website, just search for the SWM part number listed. Alternatively, browse the full range at swiftsupplies.com.au/ptfe-rod-range

Part Number	Rod Diameter
SWM000284B01V0001	20mm
SWM000284B01V0002	32mm
SWM000284B01V0003	40mm
SWM000284B01V0004	50mm
SWM000284B01V0005	80mm



Key Specifications

Colour	Milky White / Grey White
Specific Gravity	2.23g/cm ³
Elongation at Break	> 160%
Hardness	60 Shore D
Temperature Rating, Continuous	-60°C to +260°C
Flammability Rating	UL 94 VO
Electrical Volume Resistivity	10 ¹⁶ Ω/mm
Length	300mm

