

## PRODUCT INFORMATION

# PTFE SLEEVING

## PRODUCT DESCRIPTION

PTFE is one of the most chemically inert plastic materials available. It's mechanical properties are somewhat limiting when compared to other engineering plastics but it's mechanical performance can be improved by adding fillers such as glass fibre, carbon, graphite and similar materials. PTFE has excellent dielectric properties. Its dielectric constant (2.1) and power-loss factor (0.0002) are low and remain so over a wide range of temperatures and frequencies. When exposed to flame PTFE decomposes leaving very little residue. PTFE is extremely inert and stable up to a temperature of 265°C. PTFE is also virtually unaffected by oxygen, ozone, and UV light.

## PROPERTIES

<b>General</b>	Maximum working temp.	265°C
	Chemical resistance	Excellent
	Specific gravity	2.15
	Melting point	327°C
<b>Electrical</b>	Dielectric constant	2.1
	Dielectric dissipation factor	0.0002
	Dielectric strength	>1400Volt/mil
<b>Mechanical</b>	Tensile strength	2500 psi
	Elongation	300%
	Compression strength	3500 psi
	Flexural modulus	90000 psi
	Shore hardness	D-60
<b>Environmental</b>	Water absorption	<0.01%
	Water resistance	Excellent
	Oxygen index	>95%
	Flammability UL94	V-0