



PTFE

Virgin PTFE | Chemically Inert

FEATURES

Virgin PTFE sheet is made from high quality PTFE resins. It is a pure, unfilled form of Polytetrafluoroethylene with a white, waxy appearance.

It is a high-performance plastic prized for its exceptional properties, including a near-universal chemical resistance, an extremely low coefficient of friction, strong electrical insulation and a wide temperature range of use. It is suited to more aggressive applications in the chemical or cryogenic industry or the food manufacturing where hygiene is a necessary requirement.

TECHNICAL INFORMATION

pH Value	0 – 14	
Working Temperature	-180°C to +260°C	
Melting Point	+327°C	ATM D3418
Specific Gravity	2.14 – 2.20	ATM D792
Tensile Strength	21 – 34MPa	ATM D638
Elongation	300-500%	ATM 638
Hardness	50-65 HB	ATM D2240
Impact Strength	3 Ft/Lb/In	ATM D256
Water Absorption	<0.01%	ATM 570
Coefficient of Friction	0.05 – 0.10	ATM D1894
Dielectric Constant	2.1 (1 MHz)	ATM D150
Dielectric Strength	18 V/μm	ATM D149
Coefficient of Thermal Expansion	5.5 x 10.3 In/In/Ft 73°F	ATM D696
Colour	White	
MSDS	Available upon request	

AVAILABLE SIZES

STANDARD LENGTH

1m to 20m rolls

STANDARD SIZES

1000 up to 1500mm

STANDARD THICKNESS

0.15mm up to 25.0mm

Other sizes available upon request

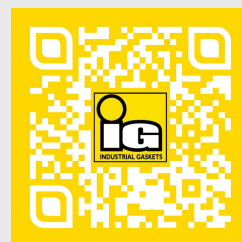
May be customised to suit customer's application



APPLICATIONS

PTFE Skived Sheet is suited to more aggressive applications in the chemical or cryogenic industry or the food manufacturing where hygiene is a necessary requirement. PTFE has the lowest coefficient of friction of all known solid materials. It also has the best electrical properties of all plastics and is virtually unaffected by weather and is chemically inert. Sheets are also available with sodium ammonia or sodium naphthalene etching. Common applications include:

- > Food processing
- > Electrical parts
- > Insulators
- > Seals
- > Bearings



Sheet conforms to FDA
regulations 21 CFR
177.2600