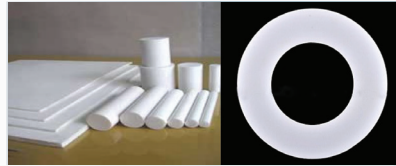


ARAFLOX 4522 VIRGIN PTFE (WHITE) SHEET

A Fluoropolymer product for high resistance to chemicals and weather. PTFE is a soft, low friction fluoropolymer with outstanding chemical and weather resistance. Shows high stability up to 536°F (280°C) and have high dielectric properties. Pure PTFE is extremely soft, formable and it is often used for chemical resistant seals and gasket making. PTFE Rods, Tubes & Tapes (Araflon 4555) are also available in virgin form.

Applications:



Recommended

Strong acids
Caustics, Hydrocarbons, Solvents
Food and Beverage products
Petrochemical Industry
Metallic, organic, chemical compounds
Cryogenic use

Recommended

Seals & Gaskets
Valve and fitting components
Pump Parts, Manifolds
Semi-conductor equipment
Chemical resistant Tubing
Not good with molten Alkali and Fluorine.

Operating Conditions

Minimum Temperature	(°C/°F)	:	-200/-328
Maximum Temperature	(°C/°F)	:	280/536
Pressure	(bar/psi)	:	55/800

Physical Properties

Specific Gravity	ASTM D 792	:	2.14-2.18 g/cm ³
Hardness Shore D	ASTMD 2240	:	51 +/-5
Compressibility	ASTM F36	:	20-25%
Recovery	ASTM F36	:	45%
Tensile Strength	ASTM F152	:	24 Mpa
Creep Relaxation	ASTM F38	:	35%
pH Range		:	0-14
Dielectric Strength (0.5mm specimen)	ASTM D149	:	40 KV/mm
m value (3mm thk)		:	2.5
y value (3mm thk)		:	2845 psi (19Mpa)

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice.

Deviations from the values hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.

