

Insulation Materials

Product Information Sheet

Product

P.T.F.E - EI812

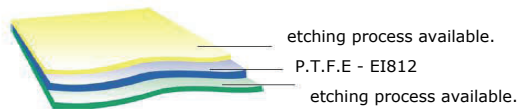
Product Description

P.T.F.E - EI812 - invented in 1938 (polytetrafluoroethylene) is the most chemical resistant plastic. It has the lowest Coefficient of Friction and a non slip surface.

Key Features

- Excellent chemical resistance
- Excellent temperature range
- Excellent dielectric properties

Structure of P.T.F.E - EI812



Property	Test Method	Unit	Value
Coefficient of friction	-	-	0.08-0.10
Density	ASTM D638	g/cm ³	2.18
Tensile strength at yield	ASTM D792	MPa	25
Hardness	-	Shore A	60-65D
Maximum service temperature		°C	260
Dielectric strength			40=-/80 kV/mm
Flame rating	UL94	-	V-0
Coefficient of Thermal conductivity	-	W/(mK)	0.25
Coefficient of Thermal expansion	ASTM D696	10 ⁻⁵ /K	12

Applications

P.T.F.E - EI812 used in the manufacture of gaskets, expansion joints, valve seals/seats and diaphragms.

The information above is given in good faith and should be considered as a guide not a specification.



BS EN 14644 : 1999
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