

TF 1590

Restructured PTFE with Silica

Application:

Tealon TF1590 is suitable for services with high pressures and temperature, especially in chemical processing and hydrocarbon plants in strong acids (except hydrofluoric), solvents, hydrocarbons, water, steam, and chlorine. The gasket material was tested to be in conformance per 21 CFR 177.1550.

TF1590 is listed by Chlorine Institute Pamphlet 95.

Construction:

Tealon TF1590 is a restructured PTFE Gasket Sheet manufactured by a unique process which provides a high fibrillation level to overcome the creep relaxation and cold flow problem associated with skived PTFE sheets. This style is produced with virgin PTFE resin filled with Silica.

Availability	Size: 60 x 60* in
	Thickness: 1/32", 3/32", 1/16", 1/8", 1/4"
Temperature	Minimum Service: -450° F (-268°C)
	Maximum Service: 500° F (260°C)
Pressure	Maximum Service: 1200 psi (83 bar)
Color	fawn
pH	0-14

*59" x 59" is available upon request



Typical Physical Properties:

Compressibility 5000 psi - ASTM F36 M	5-15%
Recovery - ASTM F36 M	40%
Tensile Strength - ASTM F152	2030 psi (14 N/mm ²)
Specific Gravity - ASTM D792	2.10 g/cm ³
Creep Relaxation- ASTM F38	18%
Sealability - ASTM F37 A	0.20 ml/h
Sealability - DIN 3535	<.015 cm ³ /min

*ASTM test are based on 0.80mm sheet thickness and DIN test is based on 1.50mm sheet thickness

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Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.

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