

TF 1570

Restructured PTFE with Glass Spheres

Application:

TEALON TF1570 is suitable for service with a wide variety of aggressive fluids, including hydrocarbons, acids, solvents, water, steam, hydrogen-peroxide, refrigerants, etc. The high compressibility of this style makes it particularly suitable for use with stress sensitive and/or fragile flanged joints, e.g. glass, ceramics, plastic, etc. The gasket material was tested to be in conformance per FDA requirement Method 21 CFR 177.1550.

Construction:

TEALON TF1570 is a structured PTFE - Gasket - Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or molded) PTFE sheets. This style is produced from virgin PTFE resin filled with hollow glass micro spheres.

Availability	Size: 62 x 62* 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: 800 psi (55 bar)
Color	Blue
pH	0-14

*59" x 59" is available upon request



Typical Physical Properties:

Compressibility - ASTM F36 M	25-40%
Recovery - ASTM F36 M	30%
Tensile Strength - ASTM F152	2030 psi (14 N/mm ²)
Specific Gravity - ASTM D792	1.70 g/cm ³
Creep Relaxation- ASTM F38	40%
Sealability - ASTM F37 A	0.12ml/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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