

# TF 1572 SAN

# Restructured PTFE with Glass Spheres

### Application:

#### Drinking Water Service:

TEALON TF1572 SAN is suitable for service with a wide variety of aggressive media, but is specifically formulated to allow compliance for drinking water system components with NSF-61, from source to tap. Certification to NSF-61 provides assurance to a highest level that TF 1572 SAN is safe for use in drinking water service. 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.

#### Isolation:

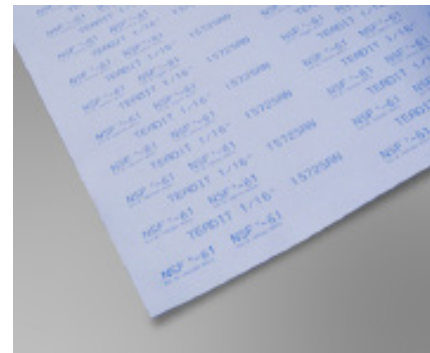
An added benefit is that TF 1572 SAN has a strong dielectric rating, making it suitable for isolation kit applications.

### Construction:

TEALON TF 1572 SAN 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 microspheres.

<b>Availability</b>	Size: 60" x 60"*
	Thickness: 1/16", 1/8"
<b>Temperature</b>	Minimum Service: -450° F (-268°C)
	Maximum Service: 500° F (260°C)
<b>Pressure</b>	Maximum Service: 800 psi (55 bar)
<b>Color</b>	Blue
<b>pH</b>	0-14

\*59" x 59" is available upon request



### Typical Physical Properties:

Compressibility - ASTM F36 M	25-45%
Recovery - ASTM F36 M	30%
Tensile Strength - ASTM F152	2030 psi (14 N/mm <sup>2</sup> )
Specific Gravity - ASTM D792	1.70 g/cm <sup>3</sup>
Creep Relaxation- ASTM F38	40%
Sealability - ASTM F37 A	0.12ml/h
Sealability - DIN 3535	<.015 cm <sup>3</sup> /min

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

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### TF 1572 SAN Dielectric Strength Chart

Nominal Thickness (mm)	Dielectric Strength	
	(kV/mm)	(volts/mil)
1.5	18.5	469
3.2	8.0	291

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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