



## Tealon TF1580



### DESCRIPTION

**Tealon TF1580** is a structured 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 Barium Sulfate.

### APPLICATION / SERVICE

**Tealon TF1580** It is suitable for services with general service in wide variety of fluids, strong caustics, moderate acids, chlorine, gases, water, steam, hydrocarbons, hydrogen and aluminum flouride. The gasket material was tested to be in conformance per FDA CFR177.2260

TF1580 is listed by Chlorine Institute Pamphlet 95.

### AVAILABILITY

**Tealon TF1580** is available in sheets of 59" x 59" (1500mm x 1500mm) with a thickness of 1/16" or 1/8".

SERVICE LIMITS		
Type	Description	Value
Temperature	Minimum	-350°F (-210°C)
	Maximum	500°F (260°C)
Pressure	Maximum	1200 psi (83 bar)
Color	off-white	
pH		0-14
P x T* max		350,000 (12,000)**
		250,000 (8,600)***

\* P x T = psig x °F ( bar x °C )

\*\* Based on 1.5mm sheet thickness

\*\*\* Based on 3.0mm sheet thickness

## TYPICAL PHYSICAL PROPERTIES

ASTM Test Method*	Property	Value
ASTM F 36A	Compressibility Range @ 5000 psi	4-10
ASTM F 36A	Recovery (%)	40
ASTM 152	Tensile Strength (MPa)	14
ASTM D 792	Specific Gravity (g/cm <sup>3</sup> )	2.90
ASTM F 38	Creep Relaxation	11
ASTM F 37A	Sealability (ml/h @ .7 bar)	0.04
DIN 3535	Sealability (cm <sup>3</sup> /min)	<.015

\*ASTM tests are based on .80mm sheet thickness and DIN test is based on 1.50mm sheet thickness.

TEALON is a trademark of E.I. DuPont De Nemours and Company and is used under license by Teadit.

Properties and application parameters shown throughout this datasheet 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 supersedes all previous issues.

Copyright © 2008 [Teadit N.A.](#)  
1465 E. Sam Houston Pkwy South Suite 140 Pasadena TX 77503  
TOLL FREE: 800-999-0198 PHONE: 281-476-3900 FAX: 281-476-3999  
[sales@teadit.com](mailto:sales@teadit.com)