



Tealon TF1570

DESCRIPTION

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.

APPLICATION / SERVICE

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 CFR177.2260

AVAILABILITY

TEALON TF1570 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 | 800 psig (55 bar) |
| Color | blue | |
| 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 F36 A | Compressability Range (%) | 30-50 |
| ASTM F36 A | Recovery (%) | 30 |
| ASTM 152 | Tensile Strength (MPa) | 14 |
| ASTM D792 | Specific Gravity (g/cm ³) | 1.70 |
| ASTM F38 | Creep Relaxation (%) | 40 |
| ASTM F37 A | Sealability (ml/h @ .7 bar) | 0.12 |
| DIN 3535 | Sealability (cm ³ /min) | <.015 |

*ASTM tests are based on 0.80mm 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.](http://www.teadit.com)
 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