

TF 1580

Restructured PTFE with Barium Sulfate

Application:

Tealon TF1580 is suitable for services in a wide variety of fluids, strong caustics, moderate acids, chlorine, gases, water, steam, hydrocarbons, hydrogen and aluminum fluoride. The gasket material was tested to be in conformance per 21 CFR 177.1550, for FDA applications.

TF1580 is listed in the Chlorine Institute's Pamphlet 95.

Construction:

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.

| | |
|---------------------|--|
| 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: 1200 psi (83 bar) |
| Color | off-white |
| pH | 0-14 |

*59" x 59" is available upon request



Typical Physical Properties:

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|---------------------------------------|----------------------------------|
| Compressibility 5000 psi - ASTM F36 M | 4-10% |
| Recovery - ASTM F36 M | 40% |
| Tensile Strength - ASTM F152 | 2030 psi (14 N/mm ²) |
| Specific Gravity - ASTM D792 | 2.90 g/cm ³ |
| Creep Relaxation- ASTM F 38B | 15% |
| Sealability - ASTM F37 A | 0.04 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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