



TEALON TF1570

Structured PTFE Gasket Sheet

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 and caustics, 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.

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)
Colour	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 @ 350 (%)	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

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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.