



Category: Filled Teflon Gasket Sheet Products

Model: T-Lon Style 9100 (Blue) Filled PTFE Gasket Sheet



T - Lon

T-Lon is a non-asbestos gasketing material containing inorganic round beads consistently dispersed throughout a PTFE base. This unique mixture allows for precision control over cold-flow problems inherent with virgin PTFE. The exacting mixture virtually eliminates the need for retightening. A history of over 20 years of research, development and testing has brought T-Lon to the level of perfection our industry demands.

Specifications

Tensile Strength	2200 PSI
Compressibility (% 5000 PSI)	25-35
Recovery (minimum)	46%
Sealability (ml/hr)	.02
Elongation (ASTMF-39-59)	300%
Modulus @1000% Elongation	1600
Specific Gravity (ASTM D 792)	1.55
Hardness (Shore "D")	53
Temperature	-350°F to +500°F
Colour	Black
(Other Colors Available upon Request)	
Sheet Size (1/8x60x60)	1/16x60x60



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Specifications Sheet

General Data Physical Properties

Tensile Strength (PSI)	2200 PSI
Compressibility (% 5000 PSI)	20%-30%
Recovery (% Minimum)	46%
Sealability (Millilitres/hr.)	0.02
Elongation (ASTMF-39-59)	300%
Modulus @1000% Elongation	1600
Specific Gravity (ASTM D 792)	1.55
Hardness (Shore "D")	53
Temperature	-350°F to +500°F
"(M)" Factor	
1/8" Thickness	2
1/16" Thickness	2.75
"(Y)" Factor	
1/8" Thickness	1800
1/16" Thickness	3600
Flammability	Will Not Burn
Bacterial Growth	Will Not Burn

Compression Analysis

PSI Clamping Force	Teflon Envelop w/ White Asb. Filler	T-Lon	25% Glass Filler	Virgin T.F.E.
5,000	.001 inch	.008 inch	.008 inch	.008 inch
10,000	.002 inch	.010 inch	.013 inch	.012 inch
15,000	.005 inch	.013 inch	.019 inch	.023 inch
20,000	.009 inch	.016 inch	.027 inch	.040 inch
25,000	.014 inch	.023 inch	.041 inch	.055 inch
30,000	.020 inch	.030 inch	.058 inch	.064 inch

The above figures reflect the amount of deflection and cold-flow on a comparative basis of the four tested materials. All materials were nominal 1/8" thick and were tested at room temperature. Compression figures are in inches.