

INDUSTRIAL THREADED PRODUCTS INC.

13580 FIRESTONE BLVD. , SANTA FE SPRINGS, CA 90670

800-976-BOLT FX: 800 646 4249

www.itpbolt.com

G-10 GASKET RETAINER

SUBMITTAL SPECIFICATIONS - PAGE 1

G-10 GASKET WITH TROJAN SEAL

NAME GRADE	WATER ABSORPTION %	COMPRESSION STRENGTH PSI	TENSILE STRENGTH PSI	DIELECTRIC VALUES VPM	MAXIMUM OPERATING TEMP
CE	3.5	34,000	12,000	400	257 °
G7	0.09	40,000	22,000	400	400 °
G10	0.01	66,000	40,000	800	248 °
G11	0.20	63,000	43,000	900	347 °
XPN	1.5	45,000	18,000	600	266 °
XP	1.5	45,000	18,000	600	266 °

MYLAR SLEEVE MATERIAL PROPERTIES

DIELECTRIC VOLTS/MIL ASTM D149	COMPRESSIVE STRENGTH (PSI) ASTM D695	WATER ABSORPTION ASTM D229	HARDNESS ROCKWELL "M" ASTM D785	TENSILE (PSI) ASTM D638	SHEAR (PSI) ASTM D732	OPERATING TEMP (MAX)
4000	N/A	2.0%	M=100	N/A	N/A	300 °

G10 SLEEVE MATERIAL PROPERTIES

800	66,000	1.0%	N/A	N/A	N/A	248 °
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POLY SLEEVE MATERIAL PROPERTIES

400	N/A	0.01%	N/A	N/A	N/A	N/A
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PHENOLIC 1/8" WASHER PROPERTIES

550	50,000	0.10%	N/A	N/A	N/A	N/A
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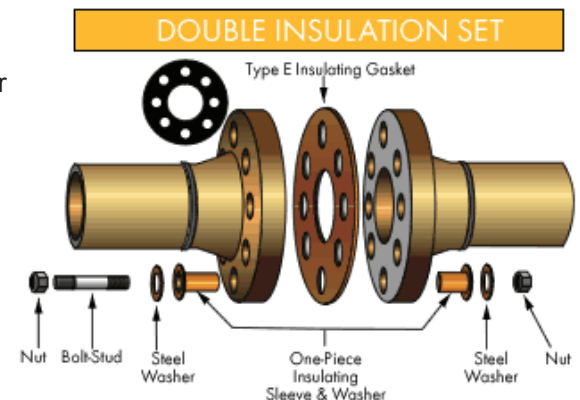
G 10 1/8" WASHER PROPERTIES

800	65,000	0.11	M=110	45,000	32,000	700
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Materials for Flange Insulating Kits on pipes containing water and natural gas (up to 221 F, 105 C) shall consist of the following components.

FULL LENGTH INSULATING SLEEVES: Made of 1/32" wall thickness Mylar tubing. One full length Sleeve (extending half way into both steel washers) for each flange bolt.

WASHERS: The I.D. of all washers shall fit over the insulating sleeve and both the steel and insulating washer shall have a same I.D. and O.D.

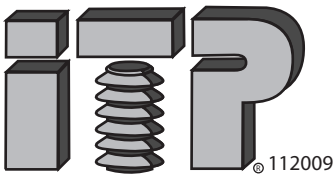


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fx: 909-945-2696

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800-976-2658
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174 Lawrence Drive Unit E
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1832 G Street
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SUBMITTAL SPECIFICATIONS - PAGE 2

EACH 150 # KIT CONSISTS OF:

Type ETG10DWG10G10 Flange Insulation Kits contain one “E” **full face Trojan style insulation gasket** manufactured from Nema Grade G-10 glass reinforced epoxy retainer with a Nitrile seal, **two insulating washers**, two steel (SAE zinc plated steel) back-up washers and **one sleeve** cut to the proper dimension for each bolt. 300# FTG10DWG10G10 flange insulation kits, contain one “F” raised face Trojan style insulation gasket manufactured and one sleeve for each bolt. Flange insulation kits are manufactured to fit the flange dimensions of ANSI, AWWA, MSSSP44, B.S. 10, DIN 2633, 2634, etc. and certify that the flange insulation kits are of the highest quality and meet or exceed industry standards. G-10 Flange Insulation Gasket Kits shall be Model 150# ETG10MYG10 or 300# FTG10MYG10 as supplied.

SLEEVE

MYLAR

G10

POLY SLEEVE

INSUL WASHERS

PHEONOLIC

G10

AVAILABLE

FULL FACE

RING

1/8"

1/4"

BACK UP WASHERS

(2) STEEL PLATED

(2) F436 HARDENED STEEL

(2) 316 STAINLESS STEEL WASHERS