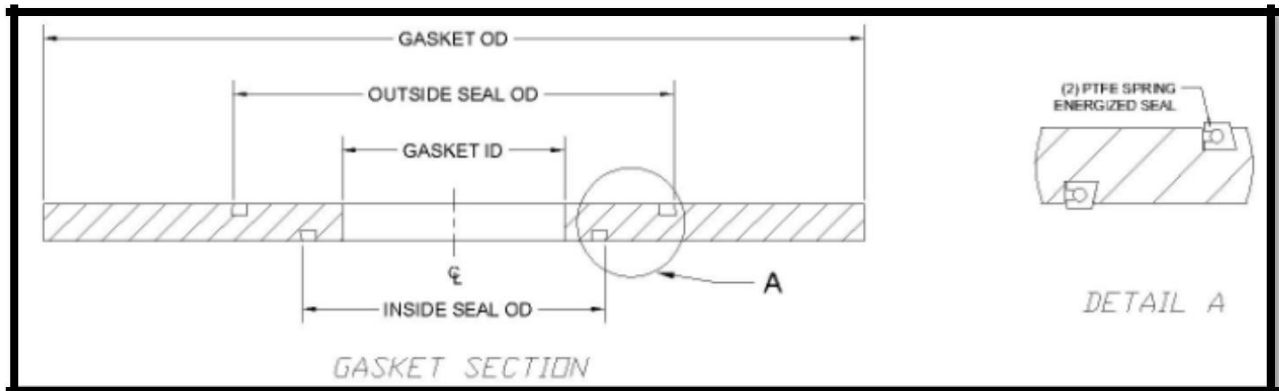


PGE Data Sheet



Gasket Properties*

Carrier: NEMA Grade G10

Seal: 302/303 SS Spring Energized PTFE Seal

Color: Natural Tan (Tint may vary)

Fluid Services: Oil and Gas

Maximum Operating Temperature (°F/°C): 302°F/150°C

Minimum Operating Temperature: (minus): -200°F/ -128°C

Maximum Pressure Class: ASME 600#

Typical Physical Properties*

Water Absorption (%): ASTM .01-.02 Typical

NEMA Grade G10 Mechanical Properties*

Tensile Strength (PSI): LW 40,000 / CW 32,000
(ASTM D638)

Flexural Strength (PSI): LW 65,000 / CW 52,000
(ASTM D790)

Flexural Modulus (Kpsi) LW/CW: 2,900/ 2,600
(ASTM D790)

Compressive Strength (PSI): 65,000
(ASTM D695)

Thermal Properties*

Coefficient of Linear Thermal Expansion (thickness tested .125") X-axis / Y-axis: 10.0 / (" / " / °C x 10-6)
13.0 (IPC-TM 650-2.4.24)

Flammability Rating: Fire retardant

Electrical Properties*

Dielectric Strength (V/mil): 800

Isolation Kit Options:

Seal Types: Teflon (PTFE Spring Energized), O-Ring: Viton, Nitrile, EPDM

Sleeves: G10, Mylar

Washers: G10, ZPS, Stainless Steel

GRE Options: G10, G11, G10 Cryogenic

* Blue type indicates standard material.

Notes:

This is a general guide and should not be the sole means of selecting or rejecting this material. * Values do not constitute specification Limits

†See GPT chemical resistance guide.

‡All isolation products are affected by exposure to heat and moisture where electrical isolation is concerned. Please note that field values may vary from test values due to exposure to one or both of these environmental factors.