

## PGE Specification

For operating conditions up to 302°F, predominantly used in low pressure applications such as hydrocarbon and water services:

1. The PGE gasket is constructed from NEMA grade G10 glass-reinforced epoxy (GRE). The PGE gasket contains two overlapping and offsetting seal grooves which allow it to offset leaks and/or weep paths within the laminate. The PTFE spring-energized seal offers the most reliable sealing option. However, the sealing element can be any elastomeric material such as an O-ring composed of Viton, Nitrile or EDPM.
2. Sleeves and washers – The PGE gasket will typically come as a “double washer set flange isolation kit.” In this case, G10 washers are accompanied by zinc plated steel washers which allows for added protection of the nuts, bolts and flange. Washers will be designed to fit over insulating sleeves. Washers will be a nominal 1/8" thick. Sleeves are G10 material and 1/32" in thickness. Sleeve will be designed to mate with separate isolating washer and will be of a length such that the sleeve extends into one and one-half washer thicknesses on each side of the flange.
3. Packaging - Gaskets shall be packaged with NPS, pressure class, GPT sales order number, gasket manufacturer's name, part number and material designation laser marked on the gasket itself.

