

ELECTRON® GS

Electrical Insulation Gasket

Description:

The Electron® GS is an electrical insulation gasket developed from compressed fiber sheet with NBR binder, aramid fiber and special fillers. The set includes G-10 insulation sleeves, (1 per stud), G-10 insulation washers (1 per stud) and galvanized carbon steel metal washers (2 per stud).

Application:

The Electron® GS Gasket has been designed to meet sealing and electrical insulation requirements in low-demand applications such as water pipes (sea and waste) and liquid hydrocarbon and non-aggressive chemicals. Electron® GS has superior and more reliable performance than gaskets made from phenolic resin, often used in these applications.

Properties:

Technical Data	
Flanges Type/Class	FF and RF ASME 150 and 300#
Electrical Resistance	> 100 MΩ (1500 Vdc)
Dielectric Strength	3 kV (60 Hz Vac for 1 minute)
Maximum Seating Stress	140 MPa (20000 psi)
Maximum Temperature	150 °C (302 °F)

Sealability Data	
Standard	DIN 3535-4
Leak rate	1.37E-03 mbar.l/s

Gasket Factors "m" and "y"

m	3.2
y	3000 psi

Properties and application parameters shown throughout this data sheet 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 cancels all previous issues.



Sleeve/Washer Assembly:

Recommended installation configuration based on laboratory tests

Insulation components	
Sleeve	G-10
Washer	G-10

