

ELECTRON[®] CS

Electrical Isolation Gasket

Description:

Electron[®] CS is an electrical isolation gasket developed from Tealon[®] restructured PTFE. The Electron[®] CS gasket has been designed to meet sealing and electrical isolation requirements for chemical aggressive service. Electron[™] CS includes glass reinforced epoxy (G-10) isolation sleeves (1 per stud), G-10 isolation washers (1 per stud) and galvanized carbon steel washers (2 per bolt). Its robust design aims to meet both sealability and electrical isolation requirements for industrial pipelines.

Application:

The kit is recommended for water pipes (drinking, sea, waste), gases, acids and hydrocarbons in general. Electron[®] CS has superior and more reliable performance than gaskets made from phenolic resin, often recommended in these processes.

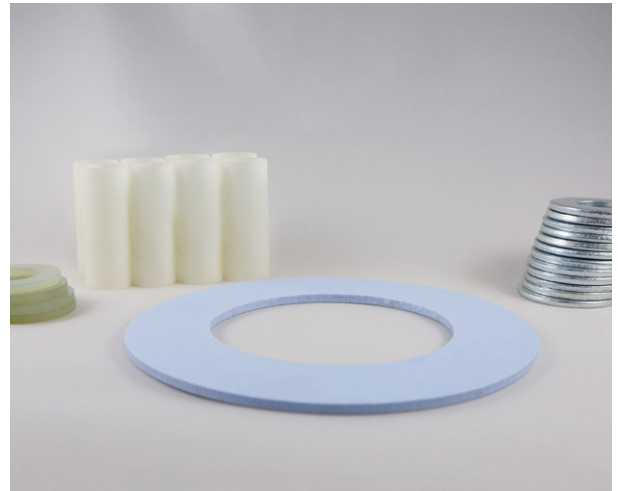
Properties:

Technical Data	
Flanges Style/Class	FF and RF ASME 150 and 300#
Electrical Resistance	> 100 MΩ (1500 Vdc)
Dielectric Strength	4 kV (60 Hz Vac for 1 minute)
Maximum Seating Stress	180 MPa (26000 psi)
Maximum Temperature	180°C (356 °F)

Sealability Data	
Standard	DIN 3535-4
Leak rate	4.11E-05 mbar.l/s

Gasket Factors "m" and "y"

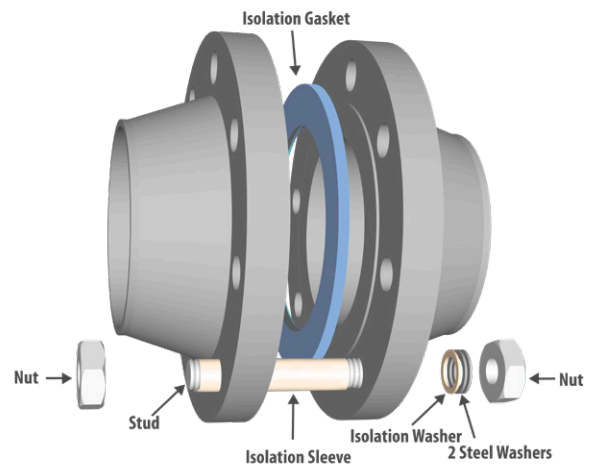
m	2
y	1.500 psi



Sleeve/Washer Assembly:

Recommended installation configuration based on laboratory tests:

Isolation Components	
Sleeve	G-10
Washer	G-10



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.