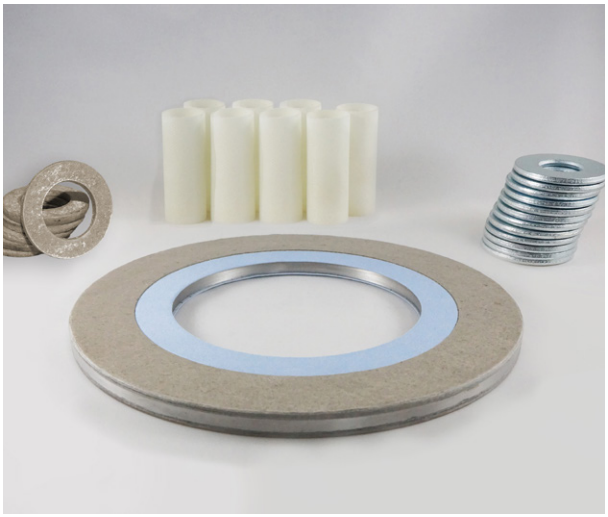
ELECTRON® FSS

Isolation and Fire Safe Gasket

Description:

The Electron™ FSS isolation and fire safe gasket is composed by a double rail serrated 316 SS core, faced on both sides with Tealon™ and TerMica laminate materials. Electron™ FSS includes glass reinforced epoxy (G-10) isolation sleeves (1 per stud), TerMica isolation washers (1 per stud) and galvanized carbon steel washers (2 per bolt). Its robust design aims to meet the sealability, electrical isolation and fire resistance requirements for industrial pipelines.

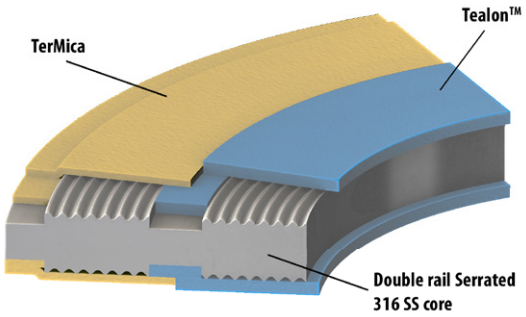


Application:

Electron™ FSS is designed to meet the most critical applications even under severe requirements of pressure and chemical resistance. It is suitable for pipes that require electrical isolation in lines of sea and produced water, gases, chemical products, hydrocarbons and applications requiring fire resistance.

Properties:

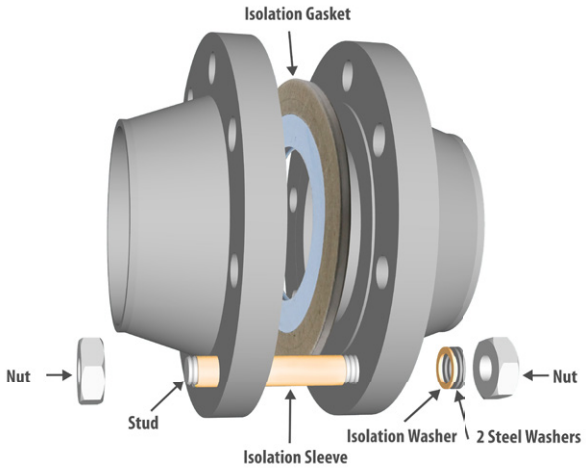
Technical Data	
Flanges Type/Class	RF and RTJ ASME 150-2.500# and API 6A 2-10K
Electrical Resistance	> 100 MΩ (1.500 Vdc)
Dielectric Strength	5 kV (60 Hz Vac per 1 minute)
Water absorption	< 0,1 %
Compressive Strength	350 MPa (50.000 psi)
Maximum Temperature	260 °C (500 °F)



Sleeve/Washer Assembly:

Recommended installation configuration based on laboratory tests:

Isolation Components	
Sleeve	G-10
Washer	TerMica



Sealability Data	
Standard	EN13555
Leakage	< 1,00E-05 mg/m/s

Gasket Factors "m"and "y"

m	2
y	2.500 psi

R.030420

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