

# ELECTRON<sup>®</sup> SCS

Electrical Insulating Gasket

## Description:

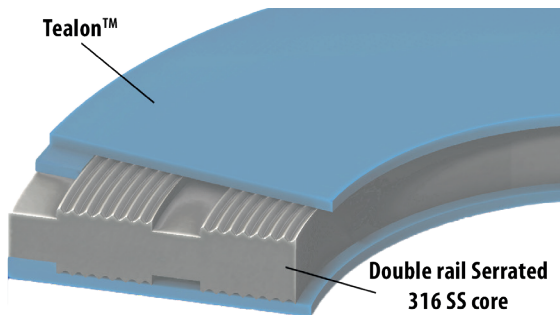
The Electron<sup>®</sup> SCS insulation and sealing gasket is composed by a double rail serrated 316 SS core, faced on both sides with restructured PTFE, Tealon<sup>™</sup>. Electron<sup>®</sup> SCS includes glass reinforced epoxy (G-10) insulation sleeves (1 per stud), G-10 insulation washers (1 per stud) and galvanized carbon steel washers (2 per stud). Its robust design aims to meet both sealability and electrical insulation requirements for industrial pipelines.

## Application:

Electron<sup>®</sup> SCS Gasket is designed to meet the most demanding technical requirements, even when subjected to extreme pressure conditions or exposure to chemically aggressive fluids. It is recommended for water pipes (sea and waste), gases, acids and hydrocarbons in general.

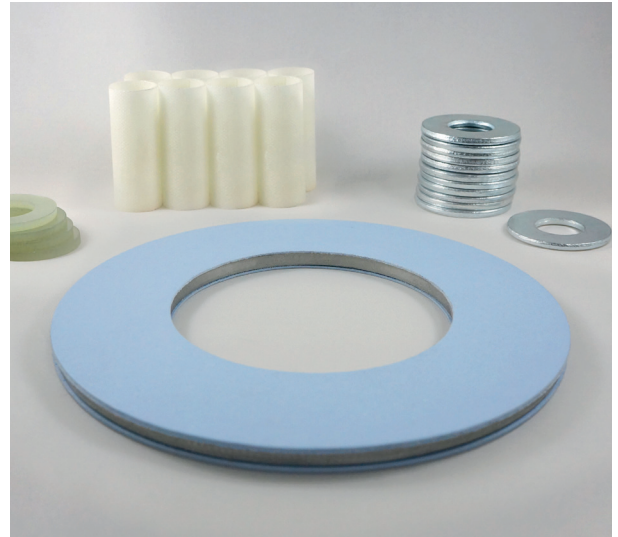
## Properties:

Technical Data	
Flanges Type/Class	RF and RTJ ASME 150-2500# and API 6A 2-10K
Electrical Resistance	> 100 MΩ (1500 Vdc)
Dielectric Strength	4 kV (60 Hz Vac per 1 minute)
Water absorption	< 0,1 %
Maximum Seating Stress	350 MPa (50000 psi)
Maximum Temperature	200 °C (392 °F)



Sealability Data	
Standard	DIN 3535-4
Leak rate	1.83E-08 mbar.l/s

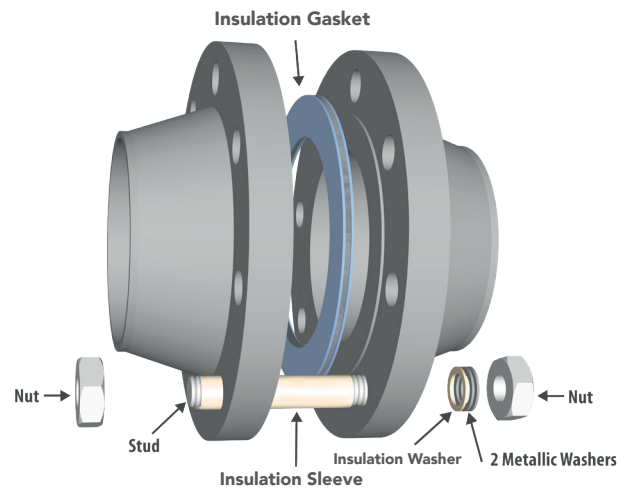
Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result 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



## Gasket Factors "m" and "y"

m	2
y	2500 psi