

# ELECTRON® GS

Electrical Insulating Joint



## Description:

Electron® GS is an electrical insulating and sealing joint developed from hydraulic cardboard with NBR binder, aramid fiber and special charges. Set includes G-10 insulating sleeves (1 per case), G-10 insulating washers (1 per case), and galvanized carbon steel metal washers (2 per case).



## Applications:

Electron® GS is designed to meet sealability and electrical insulation requirements in low demand applications such as water pipes (sea and waste) and liquid hydrocarbons with low chemical aggressiveness in general. Electron® GS has superior and more reliable performance than joints made from phenolic resin, often recommended in these processes.



## Typical Physical Properties:

Technical Data	
Type/Class Flanges	FF and RF ASME 150 and 300#
electrical resistance	> 100 MΩ (1,500 Vdc)
Dielectric strength	3 kV (60 Hz Vac for 1 minute)
crush limit	140 MPa (20,000 psi)
Maximum temperature	150 °C (302 °F)

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



## Tightening Factors:

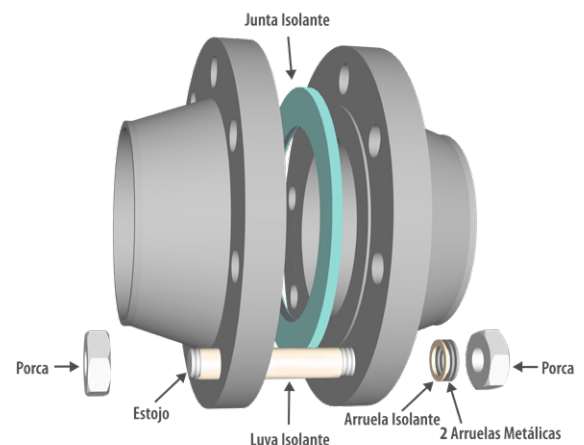
m	3.2
y	3000 psi



## Assembly of gloves and washers:

Recommended installation configuration based on lab testing:

Insulating components	
Glove	G-10
Washer	G-10



The application parameters given in this brochure are typical. For each specific application, an independent study and compatibility assessment must be carried out. Consult us for recommendations for specific applications. A mistake in the selection of the most suitable product or in its application may result in material damage and/or serious personal risks, and Teadit is not responsible for the inappropriate use of the information contained in this brochure, nor for recklessness, negligence or malpractice in its use, placing its technicians at the disposal of consumers to clarify doubts and provide adequate guidance regarding specific applications. These specifications are subject to change without notice, and this edition replaces all previous ones.

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