

Insulation set Technical Data Sheet

Central Gasket:

Neoprene Faced Phenolic Resin Sheet. Rubber thickness of 0.4mm on each face of the Phenolic Sheet, thickness 2.4mm, to NEMA L1-1-1983, Type XPC, with the following properties:

Dielectric Strength in oil at 23°C	500 Volt/mil (20,000 Volts/mm)
Water absorption after 24 hours immersion in water at 23°C	0.6%
Compressive strength at 23°C	168N/MM ²
Maximum continuous operating Temperature	100°C
Insulation resistance	1.2 x 10 ⁶ Megohms

Phenolic Washers:

Bakelaeque Cotton Fabric Reinforced Laminate Grade B12 Phenolic Resin.

Flexural Strength	120 MPa
Impact Strength (Notched Charpy)	10.0 kJm ²
Tensile Strength	80 MPa
Electric Strength perpendicular to laminations in oil at 90°C (Rapidly Applied)	3 MV/m
Electric Strength perpendicular to laminations in oil at 90°C (Step by step)	2 MV/m
Breakdown voltage parallel to laminations in oil at 90°C.	12 kV
Insulation resistance after 24 hours water immersion.	2 GΩ
Comparative tracking index.	110 V
Thermal classification **continuous (Intermittent)	115°C (125°C)
Water absorption after 24 hours immersion.	85 mg
Density	1.35 g/cm ³
Specific volume	741 cm ³ /kg
Colour	Brown

**** Figures are given for guidance only and assume use of material in air.**



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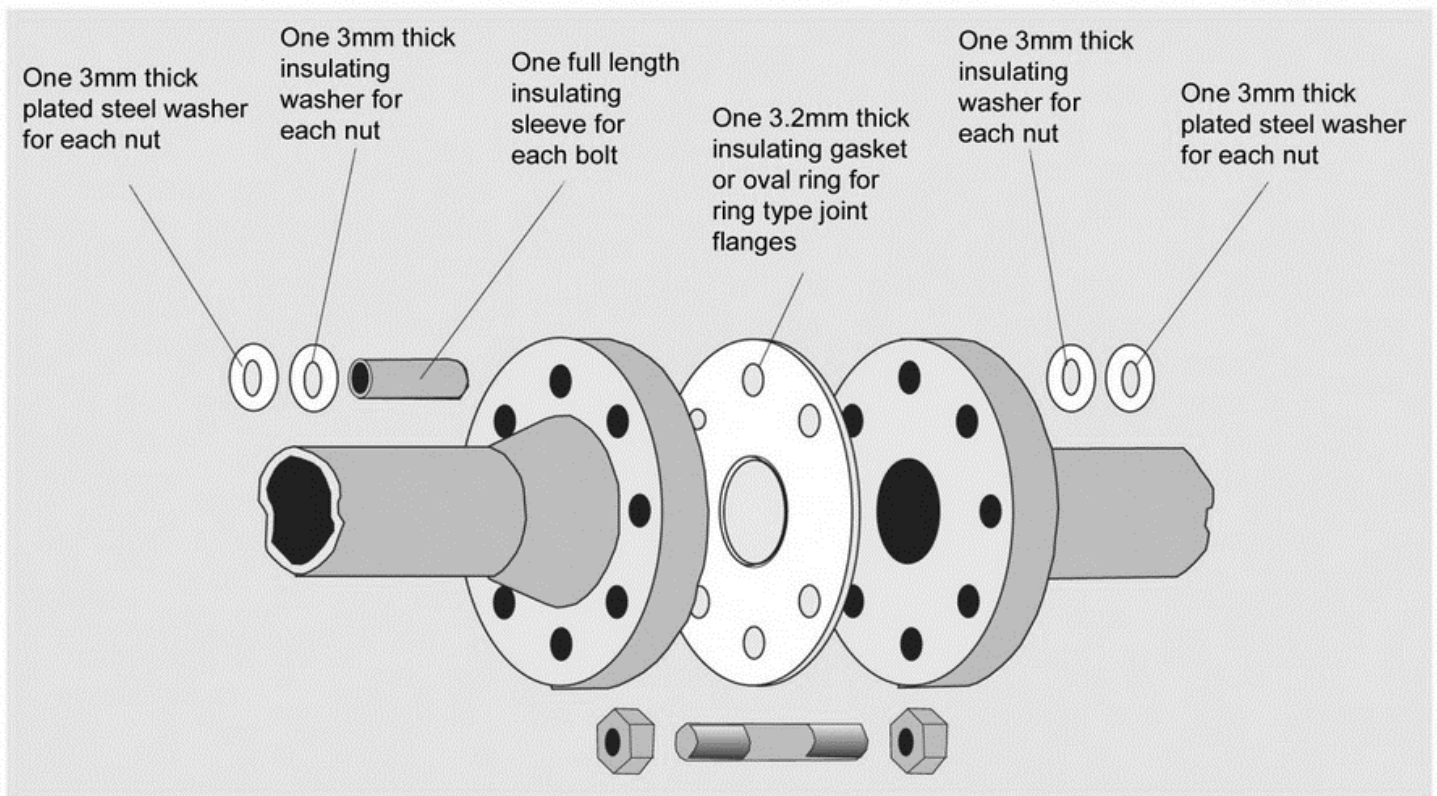
Mylar Sleeves:

Dielectric Strength – ASTM D149	4000 Volts/Mil (Short Time)
Compressive Strength – ASTM D695	N/A
Water Absorption – ASTM D229	0.8%
Operating Temp °F	-75 to +300
Operation Temp °C	-59 to +149
Flexural Strength – ASTM D790	13000 psi
Cut Through Resistance	3500 ft-lbs

Steel Washers:

Zinc Plated BS 4320 (43A)

Standard Flange Insulation Sets comprise:



- 1 X 3.2mm thick Neoprene Faced Phenolic Gasket
- 2 X 3mm thick Phenolic Washers per bolt
- 2 X 3mm thick MSZP Washers per bolt
- 1 X Mylar (Polyester) Sleeve per bolt

