



FLANGE BOLTING INSULATION KIT

TYPE- F, TYPE- E, TYPE- D

Flange Bolting Insulation Kit is designed to seal properly any flange leakage in Pipeline systems.

Our gaskets are made of insulated materials, so that stray currents which are known behind the undue corrosion and eventual metallic breakdown are prevented.

Applications:

Are used in all such places where galvanic corrosion protection and electrical insulation is needed. Common Areas are pipeline systems with *seawater environments, offshore installations, chemical installations, oil refinery pipelines, etc.*

Components of Flange Insulation Gasket Kit:

- 1) Insulated gasket with Seals.
- 2) Insulated Sleeves (Tubes)
- 3) Insulated Washers



Insulation Material Properties (Gasket, Washer and Sleeve) : G10			
Sr. No.	Description	Units	Observed Values
1	Specific Gravity	-	1.9 - 2.0
2	Water Absorption	mg	≤ 20
2	Tensile Strength @ 23°C	Mpa	≥ 250
3	Cross Breaking Strength @ 23°C	Mpa	≥ 350
4	Cross Breaking Strength @ 150°C	Mpa	≥ 175
5	Compression Strength	Mpa	≥ 400
6	IZOD Impact Strength	KJ/m ²	≥ 34
7	Shearing Strength	Mpa	≥ 110
8	Splitting Resistance	KN	≥ 3
7	Di-electric Strength - Flatwise	Kv/mm	≥ 12
8	Di-electric Strength - Edge Wise	Kv/mm	≥ 40
9	Insulation Resistance	M.Ohms	≥ 10 ⁴
Sealing Elements (used in Gasket)			
Sr. No.	Seal Material	Minimum Operating Temperature	Maximum Operating Temperature
1	PTFE	- 250 °C	200 °C