Nuseal

INSULATING GASKET KITS

Nupros Inc.

www.nuprosinc.in

Nuseal Insulating Gasket Kit

Flange insulated gasket kits isolate and block the flow of electric current and also seals the system from leakages. Flange the most common trouble area needed to be sealed to prevent the leakages of carrier system and also prevents the leakage of current, which causes undue corrosion and electric break down of metal.

Nupros Inc. manufactures and supply quality insulating gaskets products, which can provide sealing, isolation and insulation saving integrity of pipeline. Nupros Inc. Manufacturers Various types of Insulated gaskets.



Full Faced / Type E Gaskets :

These gaskets are with same dimension with precise cut bolt dia and PCD. This facilities proper alignment of gaskets during installation.

These full faced gaskets is available in phenolic, Nema G 10 / 11 in combination of PTFE, VITON, NEOPRENE, NITRILE sealing rings.
Manufacturing Ranges : 1/2 "- 144"
ANSI rating 150# to 2500#



Raised Faced / Type F Gaskets :

These gaskets are made to fit in raised face portion of flange. These can be used in raised face or full face flanges. these are available in same material as TYPE-E, with combination of PTFE, VITON, NEOPRENE, NITRILE sealing rings.
Manufacturing Ranges : 1/2 "- 144"
ANSI rating 150# to 2500#

RTJ / TYPE - D Gaskets :

Type - D Gaskets are design to fit in RTJ flange joints. these gaskets are available in Phenolic, Nema G10/11
Manufacturing Ranges : 1/2 "- 24"







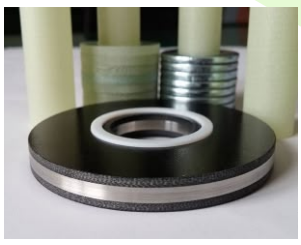
High Temepreture Insulating Gaskets :

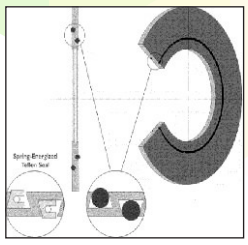
NUSEAL High temperature insulating gasket can with stand temp. upto 750 Deg. C. The material of construction is vermiculite offered in type E & F.

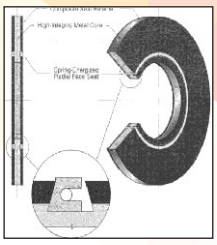
The Insulating Sleeves and Washers are made of Mica "HIGHTHERM"
Manufacturing Ranges : 1/2 "- 32"
ANSI rating 150# to 1500#

SS Core with spring energized PTFE /Viton seal rings :

Nuseal SS core insulating kits are suitable for all services with pressure class upto ANSI 2500. Its unique pressure activated sealing requires less torque to seal . These are reusable gasket too. The MOC of core is SS 316/L, Monel, Inconell, Super duplex.
Manufacturing range - 1/2" to 44 "

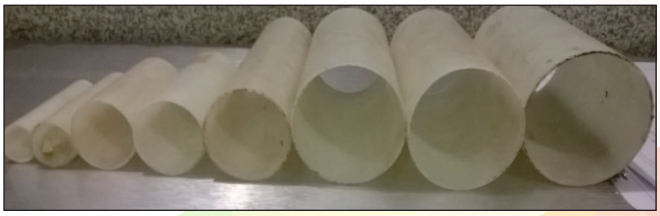


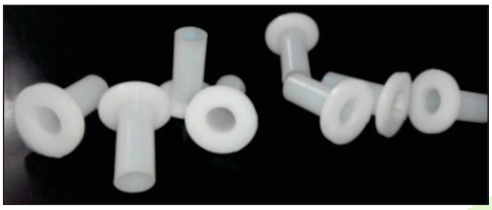




Insulating sleeves :

Insulating sleeves are manufactured in following materials, maylar , Nema g10, Nema g11, Phenolic, Nomex Mica, PTFE. Insulating sleeves are available for bolt size 1/2" to 21/2" and in metric size too.





One Piece Insulating sleeve and washer :

These are molded form Maylar, polyethylene, Minlon, available in size from 1/2" to 2" and in metric sizes too. These can be used in single or double washers assembly.

Insulating washers :

Insulating washers are manufactured in following materials, Phenolic, Nema g10, Nema g11, Mica, These are available firm 1/2" to 21/2" bolt size and in metric size too.





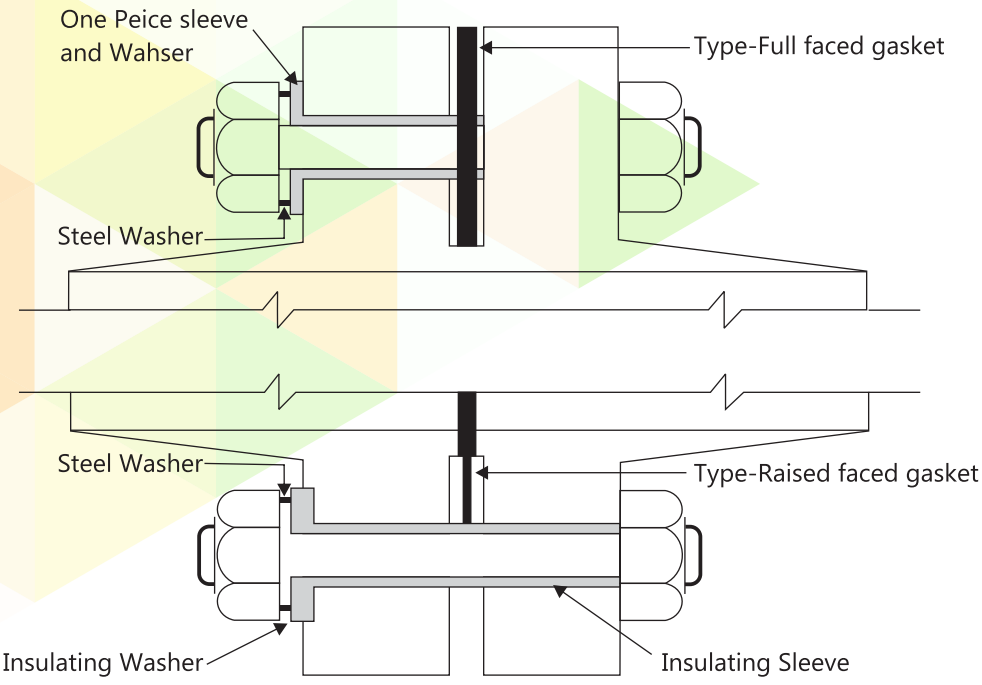
Installation Procedure : (as Per Fig.1)

Any Combination of material as per customers standard can be ordered.

The figure shows general Idea of Installation. One can use sleeve / Washers or one piece sleeve washer arrangement in insulating kits.

Inspection :

Nupros Inc. offers inspection at any stage with destructive and non destructive testing facility available at our end. Hydro testing facilities to test most of the range is available with all inspection test facilities.



Suggested flange Isolation material compatibility chart

Medium	Retainer	Seal	Sleeve	Washer	Temp. Range F	Temp. Range C
Acetone	Phenolic	EPDM	Nylon/Mylar	Phenolic	+32 to +80	0 to +27
Air	Nema G10/11	Nitrile	Nylon/Mylar	Phenolic	-65 to +225	-54 to +107
Ammonia Dry	Nema G10/11	Teflon	Nylon/Mylar	Nema G10/11	-65 to +220	-54 to +104
Ammonia (Wet)	Nema G10/11	Teflo	Nylon/Mylar	Nema G10/11	+32 to +100	0 to +38
Bleach	Nema G10/11	Teflon	Nylon/Mylar	Nema G10/11	+32 to +80	0 to +27
Butylene (Butidiene)	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	+32 to +100	0 to +38
Carbon Dioxide	Nema G10/11	Nitrile	Nylon/Mylar	Nema G10/11	+32 to +150	0 to +66
Caustic Sod (NaOH)	Nema G10/11	Teflon	Nylon/Mylar	Nema G10/11	-65 to +225	-54 to +107
Cryogenic	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	-300 to +280	-184 to +138
Ethanol	Nema G10/11	Nitrile	Nylon/Mylar	Nema G10/11	+32 to +100	0 to +38
Ethylene (Ethene)	Nema G10/11	Teflon	Nylon/Mylar	Nema G10/11	+32 to +80	0 to +27
Fuel Oil	Nema G10/11	Viton/Teflon	Nylon/Mylar	Nema G10/11	-20 to +280	-29 to +138
Gas, Nature	Nema G10/11	Teflon	Nylon/Mylar	Nema G10/11	-65 to +220	-54 to +104
Gas, Sour	Nema G10/11	Viton	Nylon/Mylar	Nema G10/11	-20 to +220	-54 to +104
Gasoline	Nema G10/11	Viton/Teflon	Nylon/Mylar	Nema G10/11	-65 to +225	-54 to +107
Hydrogen	Nema G10/11	Nitrile	Nylon/Mylar	Nema G10/11	-65 to +250	-54 to +121
Jet Fuel	Nema G10/11	Viton	Nylon/Mylar	Nema G10/11	-20 to +225	-29 to +107
LNG	Nema G10/11	Teflon/Viton	Nylon/Mylar	Nema G10/11	-300 to +100	-184 to +38
Marcaptan	Nema G10/11	Teflon	Nylon/Mylar	Nema G10/11	-20 to +80	-29 to +27
Methanol	Nema G10/11	Teflon	Nylon/Mylar	Nema G10/11	+32 to +100	0 to +38
MTBE	Nema G10/11	Special Nitrile	Nylon/Mylar	Nema G10/11	+32 to +80	0 to +27
Nitrogen	G10/11/Phenolic	Nitrile	Nylon/Mylar	G10/11/Phenolic	-65 to +220	-54 to +104
Oil, Crude	Nema G10/11	Vitone/Teflon	Nylon/Mylar	Nema G10/11	-20 to +280	-29 to +138
Oxygen	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	-65 to -250	-54 to +121
Pentane	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	+32 to +80	0 to +27
Propane	Nema G10/11	Nitrile or Teflon	Nema G10/11	Nema G10/11	+32 to +80	0 to +27
Propylene	Nema G10/11	Viton	Nema G10/11	Nema G10/11	+32 to +80	0 to +27
Sewage	Nema G10/11	Viton	Nylon/Mylar	Nema G10/11	-20 to +280	-29 to +138
Spent Liquor	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	+32 to +100	0 to +38
Steam	Nema G10/11	Teflon	Nomex	G-7	to +450	to +232
Steam	Nema G10/11	Teflon	Nomex	G-3	to +392	to +200
Steam	Yellow/Jacket	No seal	Nomex	G-7/G-3	to +450/(+392)	to +268/(+200)
Styrene	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	+32 to +80	0 to +27
Sulphur (Molten)	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	+32 to +280	0 to +138
Totulene	Nema G10/11	Viton or Teflon	Nema G10/11	Nema G10/11	+32 to +150	0 to +66
Water (Hot)	Nema G10/11	Nitrile	Nema G10/11	Nema G10/11	+175 to +150	+79 to +121
Water (Portable)	Nema G10/11	Nitrile	G10/11/Phenolic	G10/11/Phenolic	+32 to +250	0 to +121
Water (Sea)	Nema G10/11	Nitrile	G10/11/Phenolic	G10/11/Phenolic	+32 to +250	0 to +121
White Liquor	Nema G10/11	Teflon	Nema G10/11	Nema G10/11	+80 to +280	+27 to +138

Important Note:

The foregoing performance data are intended as guidelines only The user should determine performance suitability for any specific applications. Variation in temperature, pressure, and concentration of mixtures acting synergistically may preclude suggested service use

For pipe diameters over 24" or ANSI Class pressure rating of 600# or greater, use EP-3 sleeves and EP-3 washers where temp and other conditions permit. Material selection is the sole risk of the user

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