

InsoLion® Basic

Issue 1



Description

The InsoLion® Basic gasket consists of neoprene elastomer sheets bonded to a phenolic carrier.

The neoprene face provides an effective sealing surface and the phenolic carrier layer provides the required electrical isolation performance.

The InsoLion Basic set is supplied with zinc plated carbon steel and reinforced phenolic washers along with Dupont Mylar® bolt sleeves.

Application Guidelines

- Basic pipeline flange isolation in oil, gas and other processing applications.
- Can be used on the majority of flange specifications including ASME, API, EN, BS and DIN.
- Flange insulation and electrical isolation in conjunction with cathodic protection.
- To isolate flange and piping systems where dissimilar metals are present.

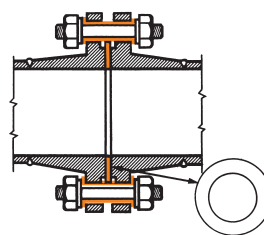
Maximum temperature +100°C (212°F)

Minimum temperature -20°C (-4°F)

Availability

InsoLion® Basic can be supplied in sizes from ½" to 24" diameter to match the majority of flange specifications including ASME, API, EN, BS, ISO and DIN

InsoLion Basic is supplied in the following gasket configuration.



Type F

These sets are suitable for raised face flanges and use a central gasket which locates inside the bolt circle of the flange. Whilst not being as efficient as Type E sets, these gaskets have the advantage of allowing fitting without complete separation of the flange, and may be regarded as "drop in" gaskets.

InsoLion Basic can be supplied in other gasket configurations, including Type E full-face, on request.

Typical physical properties

		Maximum Temperature	Dielectric Strength Volts/Mil	Water Absorption	Compressive Strength
		°C	Volts/Mil	%	MPA
Central gasket	Neoprene-faced paper reinforced phenolic	100	500	0.6	168
Insulation sleeves	Spirally wound polyester Mylar®	120	700	0.5	N/A
Insulation washers	Cotton reinforced phenolic	115	200	0.5	300
Steel back-up washers	Carbon steel zinc plated	N/A	N/A	N/A	N/A

Information

Health warning: If PTFE products are heated to elevated temperatures, fumes will be produced which may give unpleasant effects, if inhaled. Whilst some fumes are emitted below 300°C (572°F) from PTFE, the effect at these temperatures is negligible. Care should be taken to avoid contaminating tobacco with particles of PTFE or PTFE dispersion, which may remain on hands or clothing. Safety Data Sheets (SDS) are available on request.

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