



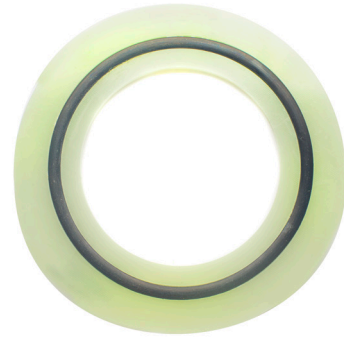
# I-LP Technical Datasheet

## Description

Phoenix I-LP gaskets comprise a high strength glass reinforced epoxy core with two pressure activated O-ring seals for high integrity sealing at lower pressures. The kits are designed for flange isolation and corrosion control in lower pressure applications, and for a variety of media including gas, seawater, oil and hydrocarbons.

## Application

- Dissimilar metal flange connections to mitigate galvanic corrosion
- Flange isolation in conjunction and cathodic protection systems
- Protects against flange face corrosion and flow-induced erosion.
- Raised Face (RF) and Flat Face (FF) flanges
- Designed for low-pressure service ANSI B16.5 150 to 600lbs
- High level of tightness even at low bolt loads
- Recommended flange surface finish of 3.2 to 6.3µm RA (125 to 200RMS)



## Typical Physical Properties

### Material

ASTM	Test Method	G10	G11
D149	Dielectric Strength (VPM)	800	550
D638	Tensile Strength (psi)	40,000	41,000
D695	Compressive Strength	65,000	65,000
D790	Flexural Strength (psi)	55,000	55,000
D732	Shear Strength (psi)	21,000	21,000
D256	Impact Strength (ft-lb/in)	12	10
D570	Water Absorption (%)	0.1	0.1
	Temperature Range	-129 to 150°C	-46 to 200°C

## Availability

<b>Thickness</b>	Gasket 3mm
<b>GRE Options</b>	G10 & G11
<b>Seals</b>	PTFE (spring energised) as standard NBR & FKM on request
<b>Sleeves</b>	Mylar as standard G10 & G11 on request
<b>Washers</b>	G10 as standard G11 & Mylar on request ZPS as standard, Stainless Steel on request
<b>Standard</b>	ASME B16.21, B16.47 series A, B16.47 Series B

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