



Sealing Solutions

RAMCO® Sealing Solutions manufactures Flange Isolation Gasket Kits for various industries to provide cathodic protection of flanges in piping systems while ensuring seal integrity. We offer gaskets for chemical, high temperature and high pressure applications.

Gaskets are available in styles E , F and RTJ, size ranges from ½” NPS to 144”NPS or equivalent to meet all international piping sizes and standards to include AWWA, ANSI, API, DN, JIS and all others.

To ensure proper sealing and reliability our flange gaskets are available in multiple material types as listed below and sealing elements are manufactured from Nitrile, EPDM, Viton or PTFE.



INDUSTRIES

- Oil & Gas
- Pulp & Paper
- Petro Chemical
- Refining
- Water/ Waste Water
- Food & Beverage
- Marine
- Aerospace
- Chemical
- LNG

Applications

- Gas
- Waste water
- Potable water
- Steam
- Oil
- Chemical
- Pipeline
- LNG

Ramco® Sealing Solutions

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Physical Characteristics/ Properties

| ASTM Test | Property | Plain Phenolic | Neo-faced Phenolic | Hi-temp Phenolic G-3 | Silicone Glass G-7* | Epoxy Glass G-10 | Epoxy Glass G-11 |
|--|-----------------------------------|----------------|--------------------|----------------------|---------------------|-------------------|-------------------|
| D149 | Dielectric strengths, Volts/mil | 500 | 500 | 550 | 350-400 | 550 | 550 |
| D695 | Compressive strength, psi | 25,000 | 25,000 | 50,000 | 40,000 | 50,000 | 50,000+ |
| D229 | Water absorption, % | 1.6 | 1.6 | 0.7 | 0.07 | 0.1 | 0.1 |
| D257 | Insulating Resistance, Meg Ohms | 40,000 | 40,000 | 46,000 | 2,500 | 200,000 | 200,000 |
| D790 | Flexural strength, psi | 22,500 | 22,500 | 60,000 | 27,000 | 60,000 | 75,000+ |
| D785 | Hardness Rockwell "M" | 85 | 85 | 115 | 105 | 115 | 115 |
| D256 | IZOD Impact, Strength ft-lbs/inch | 1.2 | 1.2 | 12 | 8 | 14 | 12 |
| D732 | Shear strength, psi | 10,000 | 10,000 | 18,000 | 20,000 | 22,000 | 22,000 |
| D229 | Operating temp, °F | -65 to +220 | -65 to +175 | -65 to +392 | Cryogenic to +450 | Cryogenic to +280 | Cryogenic to +350 |
| | Operating temp, °C | -54 to +104 | -54 to +79 | -54 to +200 | - Cryogenic to +232 | Cryogenic to +138 | Cryogenic to +177 |
| * = G-7 material should not be used with hydrocarbons, not even trace amounts. | | | | | | | |

Material types above are standard products.

Please contact us for applications that are not within the ranges shown above or require specific materials.

