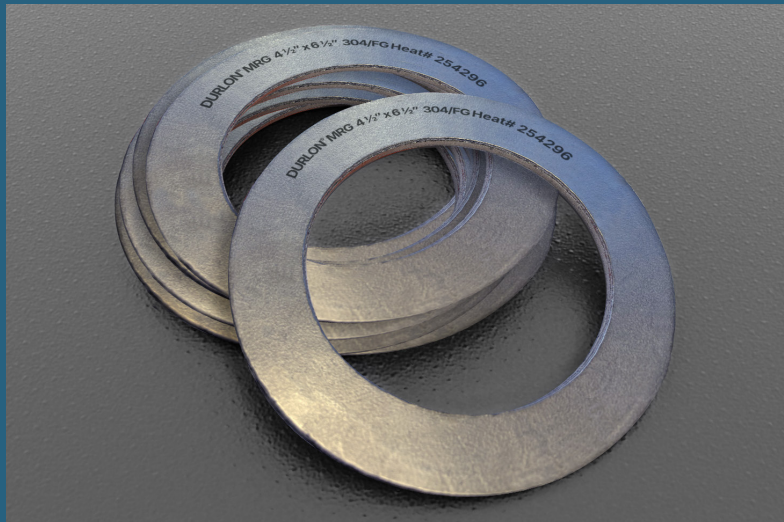




Durlon® MRG is a rigid, laminated gasket consisting of a solid un-grooved metal core with soft sealing layers bonded to each face. The metal core provides exceptional strength and resistance to blowout, while the soft facings conform to flange surfaces to achieve a reliable, high-integrity seal, even under lower seating stresses.

Durlon® MRG is widely used in the chemical and petrochemical industries where a corrosion-resistant, high-temperature, and high-integrity joint is required. Although it can often replace conventional non-asbestos sheet gaskets and, in some cases, spiral wound gaskets, its main use is in custom design assemblies. Durlon® MRG's manufacturing technique allows for any gasket geometry to be produced.



#### FEATURES:

- Wide material availability range, making MRG gaskets suitable for varying pressures and temperatures.
- Suitable for both light and heavy-duty flanges.
- Does not damage flange surfaces and is easily removed.
- Re-usable cores: after cleaning, inspection, and refacing, cores can be reused
- Helps reduce maintenance costs and leakage.

#### RECOMMENDED FLANGE SURFACE FINISH:

For MRG gaskets with sealing layers, the recommended flange surface finish is 3.2 to 6.3  $\mu\text{m}$  Ra (125–250 RMS), commonly referred to as a smooth finish.

#### AVAILABILITY:

- Standard core material is either 304 or 316 stainless steel, and standard core thickness is 3.2mm (1/8"), also available in 1.6mm (1/16")
- Exotic alloy core materials available in 3.2mm (1/8") thickness
- Shapes: Custom gasket shapes can be produced via high-precision cutting process.

## DURLON® MRG

### Metal Reinforced Gasket

| Material          |                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Component         | Materials Option                                                                                                                                                                                                              |
| Solid Metal Core  | Carbon Steel, 304SS, 316LSS, 317SS, 321SS, 347SS, Hast. C276, Monel 400, Duplex 2205, Super Duplex 2507, Inc. 600, Inc. 625, Inc. X-750, Inc. 825, Alloy 20 Titanium (Gr. 2), Nickel 200, Zirconium 2), Nickel 200, Zirconium |
| Soft Facing Layer | Flexible Graphite, ePTFE, HT1000, ETG configuration, Filled PTFE, and CNA (Compressed Non-Asbestos)                                                                                                                           |

| Soft Facing Materials Thickness* |                                 |
|----------------------------------|---------------------------------|
| Facing Material                  | Standard Thickness, mm (in.)    |
| Flexible Graphite                | 0.5mm (.020")                   |
| HT1000®                          | 0.5mm (.020")                   |
| ETG                              | 0.5mm (.020")                   |
| ePTFE                            | 1mm (.040")                     |
| Filled PTFE                      | 0.4mm to 3.2mm (.016" to .125") |
| Non-Asbestos Fiber               | 0.4mm to 3.2mm (.016" to .125") |

\*Other thicknesses available depending on the material

| Gasket Factors* |                   |
|-----------------|-------------------|
| m, Y psi (MPa)  | 2.00, 1000 (6.89) |

\* Values are related to the standard Durlon MRG with flexible graphite facing layer

**Warning:** Properties and applications stated are typical. No applications should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious injury. Data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. Specifications and information contained within are subject to change without notice. This edition cancels and obsoletes all previous editions.