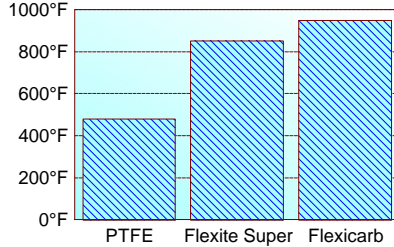


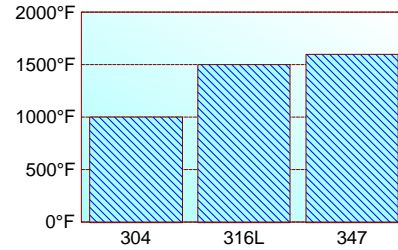
**Usage:** Flat and raised faced diameter flanges up to and inclusive of Class 2500.

**Materials and Maximum T Limits:**

**Filler**



**Metal**



\*Additional materials available

**Technical Benefits:**

- ▶ Metallic winding suited for cyclic loading
- ▶ Outer ring center gasket
- ▶ Inner\Outer ring provides additional blow-out strength
- ▶ Inner\Outer ring provides a compression stop
- ▶ Prevents flange erosion
- ▶ Prevents inward buckling
- ▶ Reduces turbulent flow
- ▶ Recommended for high pressure/temperature applications

**Design Parameters:**

| Gasket Thickness | Maximum Inside Dimension | Recommended Flange Width | Recommended Compressed Thickness** | Gasket Thickness | Maximum Inside Dimension | Recommended Flange Width | Recommended Compressed Thickness** |
|------------------|--------------------------|--------------------------|------------------------------------|------------------|--------------------------|--------------------------|------------------------------------|
| 0.125"           | Up to 20"                | 1"                       | 0.090"/0.100"                      | 0.175"           | 60" to 70"               | 7/8"                     | 0.125"/0.135"                      |
| 0.125"           | 20" to 40"               | 3/4"                     | 0.090"/0.100"                      | 0.175"           | 70" to 75"               | 3/4"                     | 0.125"/0.135"                      |
| 0.175"           | Up to 40"                | 1"                       | 0.125"/0.135"                      | 0.250"           | 90"                      | 1"                       | 0.180"/0.200"                      |
| 0.175"           | 40" - 60"                | 1"                       | 0.125"/0.135"                      | 0.285"           | 185"                     | 1"                       | 0.200"/0.220"                      |

**Required Surface Finish:** 125 - 250 rms

**Tolerance Capabilities:**

| Gasket Diameter | Inside Diameter | Outside Diameter |
|-----------------|-----------------|------------------|
| Up to 10"       | ± 1/64"         | ± 1/32"          |
| 10" to 24"      | ± 1/32"         | ± 1/16"          |
| 24" to 60"      | ± 3/64"         | ± 1/16"          |

**Applicable Standards:**

- ▶ ASME B16.20
- ▶ BS3381
- ▶ Suited for ASME B16.5 and B16.47 series flanges

**Design Factors:**

|            |   |            |
|------------|---|------------|
| ASME (All) | m | 3          |
|            | Y | 10,000 psi |

| PVRC    | Flexicarb/SS | Flexite/SS |
|---------|--------------|------------|
| Gb(psi) | 2300         | 2600       |
| a       | .237         | .230       |
| Gs(psi) | 13           | 15         |

This Data Sheet relates to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same. The acquisition of additional information may necessitate revisions to parts or all of this Data Sheet, and such information will be supplied as it becomes available.

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