Spiral-wound gaskets

Description

For applications with high temperature variations (thermal cycling), and/or pressure variations, and/or flange rotation problems etc., gaskets with adequate residual stress (stress retention), flexibility and recovery are needed. TEADIT spiral-wound gaskets have been designed to meet these demanding requirements.

Spiral-wound gaskets are made of a preformed metallic strip and a soft filler material (PTFE or graphite), wound together under pressure, and optionally with an inner and/or outer guide ring. The metal strip holds the filler, resulting in excellent mechanical resistance, resilience and recovery.

Material properties

<table>
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<tr>
<th>Filler material</th>
<th>max. temperature °C (°F)</th>
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</thead>
<tbody>
<tr>
<td>PTFE</td>
<td>260 (500 °F)</td>
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<tr>
<td>Graphite</td>
<td>450 (842 °F)</td>
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<tr>
<td></td>
<td>*up to 650 °C (1,200 °F) with steam and under inert conditions</td>
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Materials for metal strip
- 1.4541, 1.4571, 1.4404, 304, 316L, 321

Materials for inner ring
- 1.4541, 1.4571, 1.4404, 304, 316L, 321

Materials for outer ring
- carbon steel with corrosion protection (painted)

Additional materials on request.

Please note: the colour of the actual product might vary from the above image on this data-sheet.

Adaptable production

Our production offers extensive possibilities:
- special sizes
- production according to customer’s specifications
- production of single gaskets
- gaskets made of special materials, etc.

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences TEADIT® has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. TEADIT® does not undertake any liability of any kind whatsoever. Please note: the colour of the actual product might vary from the above image on this data-sheet.

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