PRODUCT DATA SHEET

1.0 SCOPE

1.1 This specification describes style KG1/KR gaskets which are classified as semi metallic performance gaskets.
1.2 Camprofile gaskets are specifically designed for use in high temperature and high pressure applications in power generation, refineries and petrochemical and chemical industry.

2.0 CONTENT AND CONSTRUCTION

2.1 Content
2.1.1 Metal carrier
2.1.2 Non-metallic sealing elements

2.2 Construction
2.2.1 Chesterton Camprofile gaskets are offered in accordance with DIN 2697 profile or in the optimized design profile indicated below.

3.0 TYPICAL PROPERTIES

3.1 Temperature capabilities
3.1.1 With graphite sealing layer 550°C
3.1.2 With PTFE sealing layer 300
3.1.3 Inert media -200°C to 900°C

3.2 Pressure capabilities
3.2.1 Up to 400 bar

3.3 Physical properties
3.3.1 Gasket Factors DIN 28090 / 1..2

<table>
<thead>
<tr>
<th>Profile</th>
<th>KR</th>
<th>KG1</th>
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<tr>
<td>Material Description</td>
<td>1.4541/1.4571 Graph</td>
<td>1.4541/1.4571 PTFE</td>
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<tr>
<td>Recommended min. and max gasket stresses at 20°C (N/mm²)</td>
<td>σv</td>
<td>15</td>
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<tr>
<td></td>
<td>σu</td>
<td>500</td>
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<td>Recommended min. and max gasket stresses at 300°C (N/mm²)</td>
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<td>30</td>
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<td>σu</td>
<td>420</td>
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3.3 Chemical properties
3.3.1 pH 0-14 (depending on metal carrier material)

3.4 Approvals
3.4.1 Style KG1 and KR are TA-Luft approved

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