TECHNICAL DATA SHEET

Basis
Aramid fibres, NBR/SBR, wire reinforced

General properties and application
Gasket material with great strength because of wire reinforcement, suitable for dynamic loading. Used in automotive and petrochemical industry, shipyards.

Approvals
Germanischer Lloyd, CRS, UDT

Dimensions of standard sheets
Sheet size: 1000 x 1500 mm, 1500 x 1500 mm
Thickness: 0.5 mm, 0.8 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm (other thicknesses on request)
Tolerances: Thickness: < 1 mm ± 0.1 mm, ≥ 1 mm ± 10 %, Length: ± 50 mm, Width: ± 50
Surface treatment: Treatment with graphite, PTFE and antistick coating is available on request.

Technical data
Typical values (thickness 2.0 mm)

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM F 36/J</th>
<th>DIN 52910</th>
<th>DIN 52913</th>
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</thead>
<tbody>
<tr>
<td>Compressibility</td>
<td>7 %</td>
<td></td>
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<tr>
<td>Recovery</td>
<td>50 %</td>
<td></td>
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<tr>
<td>Tensile strenght</td>
<td>15 MPa</td>
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<tr>
<td>Stress resistance</td>
<td></td>
<td>30 MPa</td>
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<tr>
<td>• 16h, 300°C, 50 MPa</td>
<td></td>
<td>30 MPa</td>
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<tr>
<td>• 16h, 175°C, 50 MPa</td>
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<td>35 MPa</td>
<td></td>
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<tr>
<td>Thickness increase</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>• Oil IRM 903, 5h, 150°C</td>
<td>8 %</td>
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</tbody>
</table>

*Max. operating conditions
Peak temperature
- 400°C / 752°F
Continuous temperature
- with steam 350°C / 662°F
- 230°C / 446°F
Pressure 140 bar / 2030 psi

* Temperature and pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since they depend not only on the type of gasket material but also on the assembly conditions. Very important factors are: thickness of material, nature of service medium, type of flange, surface stress. Steam application requires special consideration.

- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensure through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area - Technical consultation is mandatory.

This edition cancels all previous issues. Subject to change without notice.
In order to spread the most comprehensive knowledge of our products, our highly skilled group of experts organized in the technical-service department can assist you by solving practically any sealing problem. If you need our help, contact us.