## Technical Datasheet

**optibelt ELASTOMIT-NBR 1807A**

### Technical elastomer sheeting

03/2017

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<table>
<thead>
<tr>
<th>PRODUCT SPECIFICATION</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymeric base</td>
<td>Nitrile-Butadiene-Rubber (NBR)</td>
</tr>
<tr>
<td>Colour</td>
<td>black</td>
</tr>
<tr>
<td>Thickness / Range</td>
<td>0.30 mm - 2.00 mm</td>
</tr>
<tr>
<td>Hardness</td>
<td>55 ± 5 Shore A in accordance with DIN 53505</td>
</tr>
<tr>
<td>Specific weight</td>
<td>1.18 ± 0.02 g/cm³ in accordance with DIN 53479</td>
</tr>
<tr>
<td>Tensile strength [min.]</td>
<td>10.0 N/mm² in accordance with DIN 53504</td>
</tr>
<tr>
<td>Elongation [min.]</td>
<td>600 % in accordance with DIN 53504</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>-35°C up to + 120°C</td>
</tr>
</tbody>
</table>

**SPECIFIC TESTS**

- Compression set: 31% in reference to ISO 815 (25 % compression, 22h, 70°C)
- Ageing (hardness/tensile strength/elongation): -1 Shore A / +2 % / -8 % in reference to DIN 53508 (70h, 70°C)
- Oil resistance (hardness/volume): -5 Shore A / +2 % in reference to DIN ISO 1817 (70h, 70°C, Medium IRM 903)

**ADDITIONAL INFORMATION**

**Version A**
This Design is a calandered high-grade Auma good vulcanised by the OPTIBELT rotational process.

**Construction**
One-sided glassy and one-sided matt surfaces. Both sides are powdered. Optional available with fabric lining in the center (starting from a thickness of 0.8 mm), with one-sided or both-sided fabric, as well as one-sided or double-sided fabric impression. Additional the order of a surface finish (design „C“) is possible. This special grade is powder free and also very low-friction.

**Delivery form**
Available as sheeting with a standard effective width of 1200 mm wound up on cardboard tubes. The sheeting can also be delivered in strips with a width starting from 40 mm.

**Applications**
Resistant to acids, alkaline solutions, oil, grease, petrol and gas. Furthermore the product is low-sulphur constructed and fulfills the requirements of the VW 2.8.1. A, T.

**General polymer characteristics**
See selection guide for elastomers under the following link:

**Storage**
General information for the storage of elastomers can be found in the norm DIN 7716.

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We would be happy to advise you about the product characteristics and adjustments if you have particular requirements. Please also note the information in the OPTIBELT documentation. Errors excepted, subject to technical change without notice. www.optibelt.com, © OPTIBELT Elastomer Solutions GmbH

OPTIBELT Elastomer Solutions GmbH
Conveyor Allee 15, D-37671 Hinter
phone +49 (0) 5271 62 – 1 fax +49 (0) 5271 62 00
E-Mail: info@optibelt.com Internet: www.optibelt.com