# Technical Datasheet

**optibelt ELASTOMIT-EPDM 750K**

**Technical elastomer sheeting**

05/2017

**PRODUCT SPECIFICATION**

<table>
<thead>
<tr>
<th>Polymeric base</th>
<th>Ethylene-Propylene-Diene-Monomer Rubber (EPDM)</th>
</tr>
</thead>
<tbody>
<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>50 ± 5 Shore A</td>
</tr>
<tr>
<td>Specific weight</td>
<td>1.08 ± 0.02 g/cm³</td>
</tr>
<tr>
<td>Tensile strength [min.]</td>
<td>8.0 N/mm²</td>
</tr>
<tr>
<td>Elongation [min.]</td>
<td>400 %</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>-40°C up to +110°C</td>
</tr>
</tbody>
</table>

**SPECIFIC TESTS**

- Compression set: 14% in reference to ISO 815 (25 % compression, 22h, 70°C)
- Ageing (hardness/tensile strength/elongation): +1 Shore A / +4 % / +2 % in reference to DIN 53508 (70h, 70°C)

**ADDITIONAL INFORMATION**

**Version K**

The vulcanisation process is carried out in autoclaves (tanks). Through this special vulcanisation process, OPTIBELT is able to obtain a “low-shrink” grade (in both lengthwise and traverse directions) during the die-cutting process. The values measured on the manufactured product - the ultimate tensile strength and tear strength as well as the ultimate elongation - are reduced by approx. 1/3, depending on the process, compared to the “A” design.

**Construction**

Both sides of this design are flat and powdered.

**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**

This quality is a special automotive grade. It is conform with VW 2.8.1 G 50; DBL 5571.10; DBL 5571.20; DBL 5571.30 (DBL except “Fogging”); ASTM D2000/ SAE J 200 M3BA S10 A14, B13, C12, F17 and Z1; Toyota (TSM) 1500 G - N 506, NS102; Renault 00-10-050/-E; Delphi 10949001; Peugeot-Citroen B 20 0250, B 63 2100 Type of compound 22, 23 and 26; tear resistance according to ASTM D 624 DIEC -discolouration quality.

**General polymer characteristics**

See selection guide for elastomers under the following link: www.optibelt.com/en/elastomer-solutions/service/downloads.html

**Storage**

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

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