EPDM 70 SHEETING:
FOR TECHNICAL APPLICATIONS

FEATURES
70 Shore A EPDM.

ADVANTAGES
► Very good resistance to ozone and ageing
► Excellent temperature resistance (-40/+ 120 °C)
► Excellent resistance to most inorganic or corrosive chemical products
► Highly resistant to mineral acids, detergents, phosphoric ethers, ketones, alcohols, or low molecular weight glycols
► Very good performance with hot water or high pressure steam
► Good mechanical properties
► Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes

BENEFITS
► Service life
► Performance
► Safety

APPLICATIONS
Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with water, oxidizing and non oxidizing diluted acids.

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Measured characteristics</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rubber compound</td>
<td>EPDM</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>1.31 ± 0.05 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Hardness</td>
<td>ASTM D2240</td>
<td>70 ± 5 Shore A</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>ISO 37</td>
<td>≥ 7 MPa</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>ISO 37</td>
<td>≥ 300 %</td>
</tr>
<tr>
<td>Tear resistance</td>
<td>ISO 34-1</td>
<td>≥ 20 N/mm</td>
</tr>
<tr>
<td>Compression set after 22 h at 70 °C</td>
<td>ISO 815-1</td>
<td>≤ 30 %</td>
</tr>
</tbody>
</table>

TEMPERATURE

Working temperature
-40/+ 120 °C

AGEING

Δ Hardness after 70 h at 70 °C
ASTM D573 ≤ 5 Shore A

Δ Tensile strength after 70 h at 70 °C
ASTM D573 ≤ - 15 %

Δ Elongation at break after 70 h at 70 °C
ASTM D573 ≤ - 40 %

Ozone resistance, 200 ppm, 48 h, 38 °C, 20 %
ASTM D1149 type A No crack

CHEMICAL RESISTANCE

Diluted acids and bases: Very good
Concentrated acids and bases: Good
Ozone: Non suitable
Oils and hydrocarbons: Very good

DIMENSIONS

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (m)</th>
<th>Weight (kg/m²)</th>
<th>Pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ± 0.3</td>
<td>1400 ± 2 %</td>
<td>20 ± 2 %</td>
<td>1.31</td>
<td>2 sides matt</td>
</tr>
<tr>
<td>1.5 ± 0.3</td>
<td>1400 ± 2 %</td>
<td>15 ± 2 %</td>
<td>1.97</td>
<td>2 sides matt</td>
</tr>
<tr>
<td>2 ± 0.3</td>
<td>1400 ± 2 %</td>
<td>15 ± 2 %</td>
<td>2.62</td>
<td>2 sides matt</td>
</tr>
<tr>
<td>3 ± 0.3</td>
<td>1400 ± 2 %</td>
<td>10 ± 2 %</td>
<td>3.93</td>
<td>2 sides matt</td>
</tr>
<tr>
<td>4 ± 0.4</td>
<td>1400 ± 2 %</td>
<td>10 ± 2 %</td>
<td>5.24</td>
<td>2 sides matt</td>
</tr>
<tr>
<td>5 ± 0.4</td>
<td>1400 ± 2 %</td>
<td>10 ± 2 %</td>
<td>6.55</td>
<td>2 sides matt</td>
</tr>
<tr>
<td>6 ± 0.5</td>
<td>1400 ± 2 %</td>
<td>10 ± 2 %</td>
<td>7.86</td>
<td>1 side smooth/1 side matt</td>
</tr>
<tr>
<td>8 ± 0.7</td>
<td>1400 ± 2 %</td>
<td>5 ± 2 %</td>
<td>10.48</td>
<td>1 side smooth/1 side matt</td>
</tr>
<tr>
<td>10 ± 1.0</td>
<td>1400 ± 2 %</td>
<td>5 ± 2 %</td>
<td>13.10</td>
<td>1 side smooth/1 side matt</td>
</tr>
</tbody>
</table>

IDENTIFICATION

Brand: Without.

Packaging
Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm.
Thickness > 6 mm in roll.

Wrapping
Black polyethylene film.

Labelling
Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability.