RAKU® TOOL FP-0590

Flame Retardant Panel
Polyurethane Board Material

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Key Properties
- European fire class certification, Class C-s2, d0, EN 13501-1
- Flame retardance UL94V0-2mm equivalent*
- Fine surface structure
- Easily shaped and machined
- Low coefficient of thermal expansion

Applications
- Decorative and interior parts which require flame retardance

Mechanical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>ISO Standard</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>visual</td>
<td></td>
<td>Beige</td>
</tr>
<tr>
<td>Density</td>
<td>ISO 1183</td>
<td>g/cm³</td>
<td>ca. 0.6</td>
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<tr>
<td>Shore hardness D</td>
<td>ISO 868</td>
<td></td>
<td>50 – 55</td>
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<tr>
<td>Coefficient of thermal expansion</td>
<td>ISO 11359</td>
<td>10⁻⁶°C⁻¹</td>
<td>35 – 40</td>
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<tr>
<td>Deflection temperature, HDT</td>
<td>ISO 75</td>
<td>°C</td>
<td>70 – 75</td>
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<tr>
<td>Compressive strength</td>
<td>ISO 604</td>
<td>MPa</td>
<td>20 – 25</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>ISO 178</td>
<td>MPa</td>
<td>20 – 25</td>
</tr>
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</table>

Processing
The product should have a temperature of 20°C – 25°C during processing.

Packaging
RAKU® TOOL FP-0590 1500 x 500 x 50 mm

Storage
The material should be stored flat and in a dry place. Temperature variations should be avoided during storage and transportation.

*All tests regarding flame resistance and/or flame retardance in accordance with test specification UL94V0 have been completed and measured internally.
Handling Precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer’s liability insurance association’s industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

For information on adhesives and repair pastes see the corresponding individual technical data sheets.