Matthias Wagner
Application Specialist

“Our innovative lightweight TPE compounds not only show a significant weight reduction, but also impress with an excellent compression set. For the diverse applications in the consumer sector, they also offer the possibility for customer-specific material adaptations.”

**Our Know-how – Your Advantage**

- Weight reduction up to
  - » 35 % compared to standard TPS
  - » 30 % compared to TPV
  - » 50 % compared to PVC

- Adhesion to polyolefinic materials (e.g. PP, TPV, TPS) in injection molding and coextrusion (LW/UV and LW/CS/UV Series)

- Excellent compression set

- Reduced shrinkage and warpage of parts

- Closed and uniform surface structure

- Black grades available directly; natural grades available on short notice

- Coloring after consultation on individual requirements possible

- Processing on standard machinery and equipment

- Various applications in daily life

**Typical Applications**

- Personal protective equipment
- Seals and Gaskets
- Handles and overmoldings
- Stoppers and bumpers
- Functional elements
- Design elements

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>TL60WG-BLCK</th>
<th>TL60CW-BLCK</th>
<th>TL6NGG-BLCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness Sh A</td>
<td>60</td>
<td>65</td>
<td>60</td>
</tr>
<tr>
<td>Density g/cm³</td>
<td>0.72</td>
<td>0.73</td>
<td>0.72</td>
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<tr>
<td>Tensile strength MPa</td>
<td>2.7</td>
<td>3.0</td>
<td>2.6</td>
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<tr>
<td>Elongation at break</td>
<td>%</td>
<td>250</td>
<td>250</td>
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<tr>
<td>Tear resistance N/mm</td>
<td>10.5</td>
<td>10.0</td>
<td>11.5</td>
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<tr>
<td>Compression Set 72h / 23°C</td>
<td>%</td>
<td>14</td>
<td>12</td>
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<tr>
<td>24h / 70°C</td>
<td>%</td>
<td>24</td>
<td>17</td>
</tr>
<tr>
<td>24h / 100°C</td>
<td>%</td>
<td>-</td>
<td>28</td>
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</tbody>
</table>

Adhesion to PP, TPS, TPV

**TALK TO OUR EXPERTS!**

**KRAIBURG TPE GMBH & CO. KG - EUROPE, MIDDLE EAST, AFRICA**

Lightweight@kraiburg-tpe.com

**KRAIBURG TPE TECHNOLOGY (M) SDN. BHD. - ASIA PACIFIC**

Lightweight@kraiburg-tpe.com

**KRAIBURG TPE CORPORATION - AMERICAS**

Lightweight@kraiburg-tpe.com