Matthias Michl  
Application specialist:

“With our new RC/UV range, we meet the OEMs’ sustainability requirements of at least 20%. We are sure that our customers will benefit greatly from the possibility of using recycling-based TPEs, and together we can develop innovative component solutions or make existing systems environmentally friendly. Together, we are taking the first steps towards a circular economy.”

Our Know-how – Your Advantage

The RC/UV series is your material solution with a hardness dependent post-industrial recycled content of 20-40% for applications requiring UV resistance and adhesion to PP. The compounds are suitable for automotive exterior applications and are available in black.

- Recycled content 20-40%
- Weather resistant, suitable for automotive exterior
- Adhesion to PP
- Low density
- Temperature stability up to 90 °C
- Hardness range from 65 to 90 Shore A

**Typical Applications**

- Cowls gaskets
- Automotive Exterior
- Window encapsulations
- Applications in the New Mobility segment
- Underbody applications
- Air guide elements

**Technical Data**

<table>
<thead>
<tr>
<th>RC/UV Series</th>
<th>TC6ORW-BLCK</th>
<th>TC7ORW-BLCK</th>
<th>TC8ORW-BLCK</th>
<th>TC9ORW-BLCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>ShA</td>
<td>65</td>
<td>75</td>
<td>85</td>
</tr>
<tr>
<td>Denisty</td>
<td>g/cm³</td>
<td>0.940</td>
<td>0.940</td>
<td>0.940</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>MPa</td>
<td>7.0</td>
<td>7.5</td>
<td>7.0</td>
</tr>
<tr>
<td>Elong. at break</td>
<td>%</td>
<td>700</td>
<td>680</td>
<td>620</td>
</tr>
<tr>
<td>Flow spiral</td>
<td>cm</td>
<td>72</td>
<td>70</td>
<td>65</td>
</tr>
<tr>
<td>CS 72 h/23 °C</td>
<td>%</td>
<td>29</td>
<td>34</td>
<td>40</td>
</tr>
<tr>
<td>Recycled content</td>
<td>%</td>
<td>20</td>
<td>24</td>
<td>30</td>
</tr>
<tr>
<td>Color</td>
<td></td>
<td>black</td>
<td>black</td>
<td>black</td>
</tr>
</tbody>
</table>

**TALK TO OUR EXPERTS!**

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

✉️ info@kraiburg-tpe.com

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

✉️ info-asia@kraiburg-tpe.com

**KRAIBURG TPE CORPORATION - AMERICAS**

✉️ info-america@kraiburg-tpe.com