**Typical Applications**

- Roof rails
- Antenna
- Window encapsulations with PA bracket
- Pillars
- Fasteners

**Our Know-how – Your Advantage**

The UV/AD/PA series is your material solution for applications requiring UV resistance and adhesion to Polyamide. It is particularly suitable for automotive exterior applications. The compounds are available in black.

- Hardness range from 50 to 70 Shore A
- Cohesive adhesion to PA6 and PA6.6.
- UV and weathering resistance acc. to Florida PV3930 and Kalahari PV3929
- High flowability – realization of thin and long part geometries
- Low injection pressure – enables low glass breakage rates
- Wide processing window – avoids surface defects such as tiger stripes

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>TC5NWG-BLCK</th>
<th>TC6NWG-BLCK</th>
<th>TC7NWG-BLCK</th>
<th>TC6NWP-BLCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness Sh A</td>
<td>50</td>
<td>60</td>
<td>70</td>
<td>60</td>
</tr>
<tr>
<td>Density g/cm³</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
<td>1.000</td>
</tr>
<tr>
<td>Tensile Strength MPa</td>
<td>6.9</td>
<td>7.9</td>
<td>7.8</td>
<td>4.6</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>% 736</td>
<td>768</td>
<td>679</td>
<td>644</td>
</tr>
<tr>
<td>Spiral Flow 200 °C/760 bar/2 mm cm</td>
<td>70</td>
<td>76</td>
<td>84</td>
<td>106</td>
</tr>
<tr>
<td>CS 72 h/23 °C %</td>
<td>21</td>
<td>25</td>
<td>30</td>
<td>28</td>
</tr>
<tr>
<td>CS 22 h/70 °C %</td>
<td>36</td>
<td>42</td>
<td>47</td>
<td>47</td>
</tr>
<tr>
<td>Adhesion to PA 6 N/mm</td>
<td>-</td>
<td>6.8 (D)</td>
<td>8.7 (D)</td>
<td>5.2 (D)</td>
</tr>
<tr>
<td>Adhesion to PA 6.6 N/mm</td>
<td>6.3 (D)</td>
<td>6.8 (D)</td>
<td>6.5 (D)</td>
<td>-</td>
</tr>
</tbody>
</table>

**Matthias Michl**

**Application Specialist:**

„For the first time we created a synergy from our adhesion technology to PA and weather-resistant TPE. The customer benefits from our product because the injection molding process is more efficient, e. g. for window encapsulations.”

**TALK TO OUR EXPERTS!**

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