In the automotive industry, you need PA66 products that perform to a higher standard. Vydyne® resins and compounds help you get the most out of every part you produce. For under-the-hood applications, Vydyne products deliver superior chemical and heat resistance. For exterior and interior components, Vydyne offers versatile, reliable and customizable resins. Our quality and consistency make the difference in your production efficiency.

**Products Used:** 47H BK0644, 47H BK0668

**Benefits:**
- Temperature Resistance
- UV Resistance
- Superior Processability
- Superior Strength
- Faster Cycling

**Application Description**

Vydyne impact-modified grades are ideal candidates for use in high-performance, long-lasting automotive applications. With superior strength and heat properties, grades such as Vydyne 47H BK0644 and Vydyne 47H BK0668 are class leading and provide supreme performance in critical applications.

**The Challenge**

Cable ties used in extreme conditions in automotive applications require products than stand up to these harsh environments. The Ascend cable tie team works to ensure flawless performance of these critical fastening devices.

**47H BK0644, 47H BK0668**

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>Units</th>
<th>DAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>ISO 1183</td>
<td>g/cm³</td>
<td>1.12</td>
</tr>
<tr>
<td>Tensile Stress</td>
<td>ISO 527-2</td>
<td>MPa</td>
<td>66</td>
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<tr>
<td>Flexural Modulus</td>
<td>ISO 178</td>
<td>MPa</td>
<td>2,500</td>
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<tr>
<td>Notched Izod</td>
<td>ISO 180</td>
<td>kJ/m²</td>
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<td>DTUL @ 1.8 MPa</td>
<td>ISO 75-2/A</td>
<td>°C</td>
<td>63</td>
</tr>
</tbody>
</table>

**Vydyne delivers performance beyond the competition.**

**The Vydyne Difference for Impact-Resistant Products**

Vydyne’s new grades offer better flow, higher heat resistance, faster cycling and higher impact toughness than existing competitive grades. Vydyne 47H BK0644 and Vydyne 47H BK0668 have demonstrated their impact resistance in many of our customers’ most challenging applications and are ready to meet your challenges!

For more information, see your Ascend representative or visit www.ascendmaterials.com.