The Versatile Automotive Material

Light weight, durable, high temperature performance

ZOTEK® N
When the heat is on

ZOTEK® N combines all the recognised benefits of nylon with the advantages of a foam. It is adaptable and lightweight with excellent high temperature performance and hydrocarbon resistance. It also retains nylon’s intrinsic durability and toughness. In short, it could hardly be better suited to the latest strategic challenges facing the global automotive industry.

ZOTEK® N offers the automotive industry weight reduction opportunities to assist in the drive to meet European and US emissions control regulations. Its high temperature capabilities are a match for hotter under the bonnet conditions and also offer process improvement possibilities for both mainstream production and composites manufacture too.

ZOTEK® N’s high temperature applications range from manufacturing process aid, resisting the paint bake cycle, through the engine compartment, heating and ventilation system, to the composite cores of parts and panels.

The ZOTEK® N Premium

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>ND35</th>
<th>NB50</th>
<th>NB70</th>
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<tbody>
<tr>
<td>Density kg/m³</td>
<td>ISO845</td>
<td>36</td>
<td>52</td>
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<tr>
<td>Tensile Strength (kPa)</td>
<td>ISO1798</td>
<td>950</td>
<td>1300</td>
<td>1680</td>
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<tr>
<td>Elongation at Break %</td>
<td>ISO1798</td>
<td>85</td>
<td>70</td>
<td>110</td>
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</tbody>
</table>
ZOTEK® N

High Temperature Performance
Up to 205°C. Lightweight yet robust enough for engine compartment, bulk head, HVAC and process applications.
ZOTEK® N
The ZOTEK® Automotive Design Premium

- Up to 205°C
- Lightweight
- Durable
- Cold resistant
- Hydrocarbon resistant
- UV resistant
- Established automotive polymer
- Impact resistant
- Low odour & VOCs
- Chemically resistant
- Buoyant
- Thermally resistant
- Consistent cell size & structure
- Established automotive polymer
- Lightweight
- UV resistant
- Impact resistant
- Chemically resistant
- Buoyant
- Cold resistant
- Hydrocarbon resistant
- Low odour & VOCs
- Consistent cell size & structure

For more information

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The ZOTEK® Process Premium
- Reduced Resin Uptake
- Reduced Adhesive Uptake
- Stitchable
- Laser Cutting
- Heat Stable
- Vacuum Formable
- Thermal Bonding
- Thermoformable
- Splittable
- High Quality Surface Finish
- Robust Edges
- Ductile

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