

The Versatile Automotive Material

Light weight, durable,
high temperature performance

ZOTEK® N



ZOTEFOAMS

ZOTEK® N

When the heat is on

Composite
Body Panels

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

Property	Test Method	ND35	NB50	NB70
Density kg/m ³	ISO845	36	52	66.2
Tensile Strength (kPa)	ISO1798	950	1300	1680
Elongation at Break %	ISO1798	85	70	110



ZOTEK® N

High Temperature Performance

Up to 205°C. Lightweight yet robust enough for engine compartment, bulk head, HVAC and process applications.



Fuel Tank and System

Lighting and Wiring System

Seals and Spacers

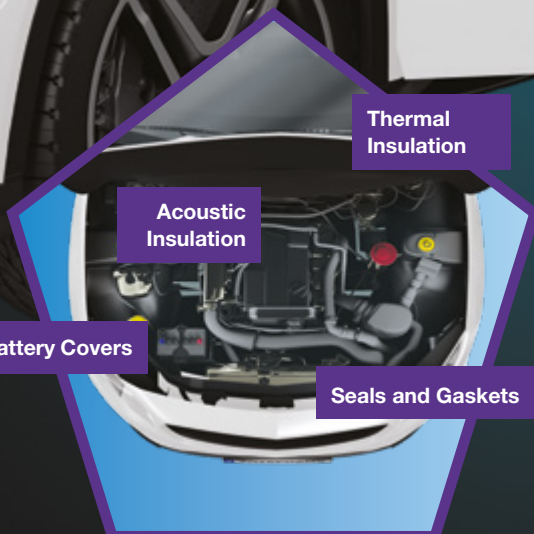


Thermal Insulation

Acoustic Insulation

Battery Covers

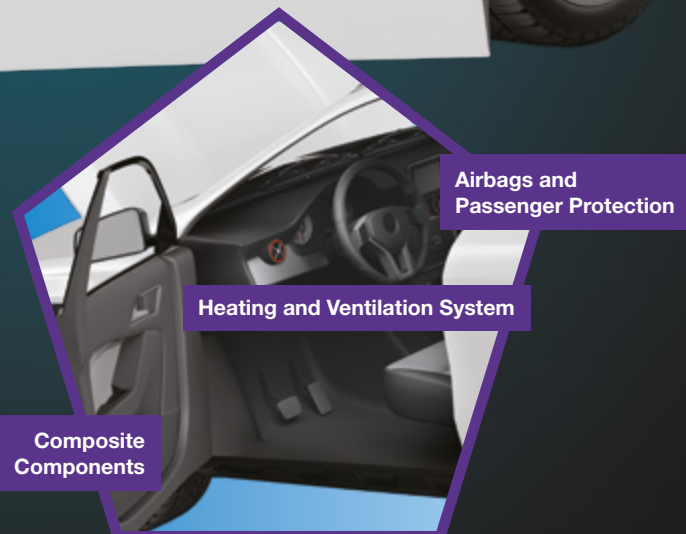
Seals and Gaskets



Airbags and Passenger Protection

Heating and Ventilation System

Composite Components



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



THERMAL
INSULATION



CONSISTENT CELL
SIZE & STRUCTURE



ZOTEFOAMS

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The ZOTEK® Process Premium

- ◆ Reduced Resin Uptake
- ◆ Reduced Adhesive Uptake
- ◆ Stitchable
- ◆ Laser Cutting
- ◆ Heat Stable
- ◆ Vacuum Formable
- ◆ Thermal Bonding
- ◆ Thermoformable
- ◆ Splitable
- ◆ High Quality Surface Finish
- ◆ Robust Edges
- ◆ Ductile