



DRIVING SUSTAINABLE MOBILITY WITH LIGHTWEIGHT MATERIALS

Expanded Polypropylene (EPP)
Solutions for Modern Vehicles





Driving Innovation with EPP

The automotive industry is moving towards lighter, more energy-efficient vehicles to cut CO₂ emissions throughout their lifecycle. Carbon-Efficient materials like EPP are key to enabling safer, greener mobility across all fuel types.

Foamed plastics, including EPP, are prized for their exceptional lightness, enabling significant vehicle weight reduction, improved fuel efficiency and a smaller environmental footprint.

EPP also supports a circular economy – it's 100% recyclable, with some grades containing up to 30% recycled content, making it a smart choice for sustainable automotive design.

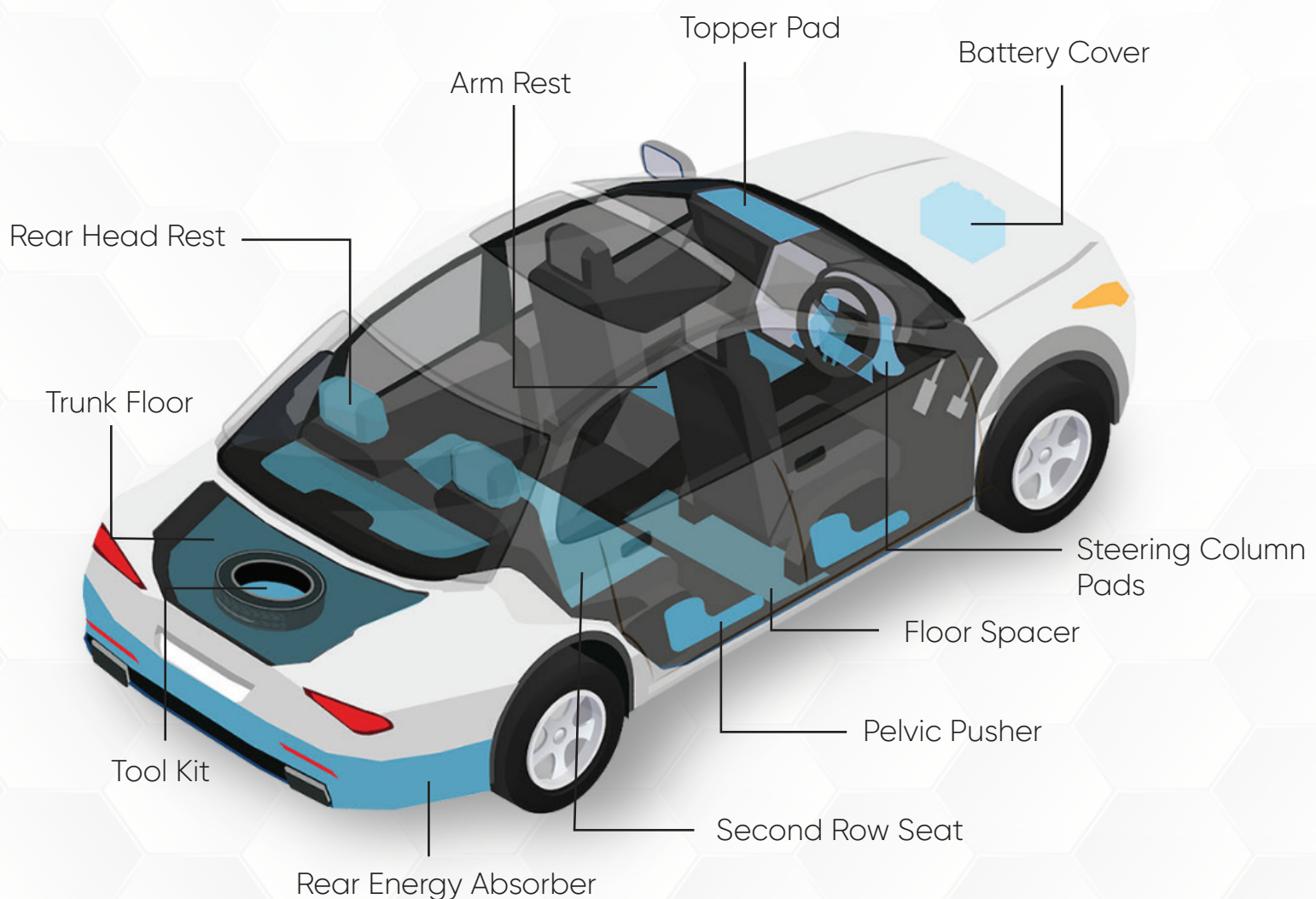
Certifications and Commitments



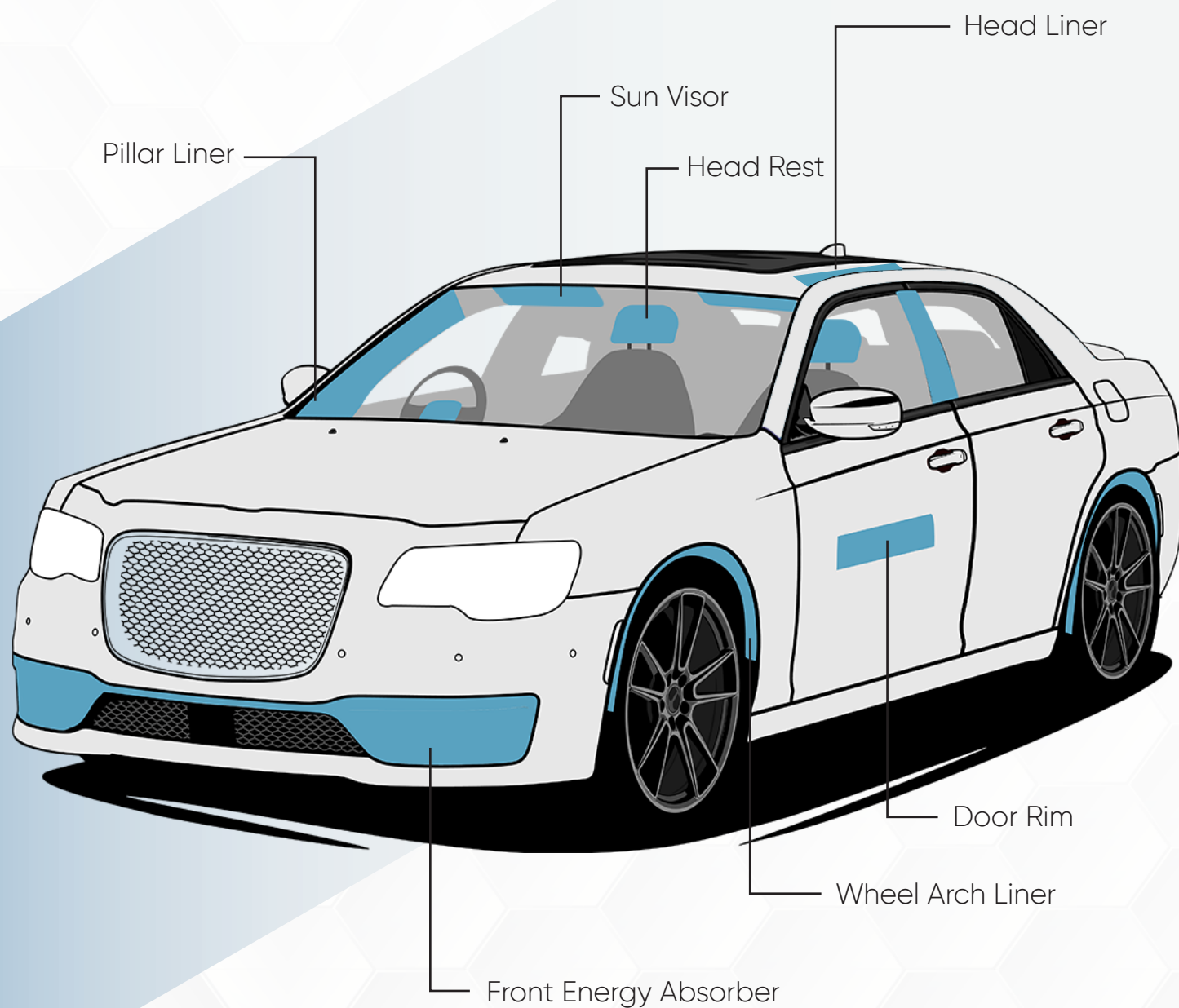
As India's first organisation to mould EPP, K. K. Nag Private Limited is redefining performance and sustainability across automotive applications. With over six decades of experience and a strong innovation mindset, our EPP solutions are built for lightness, safety, efficiency and circularity.

Advanced EPP Automotive Applications

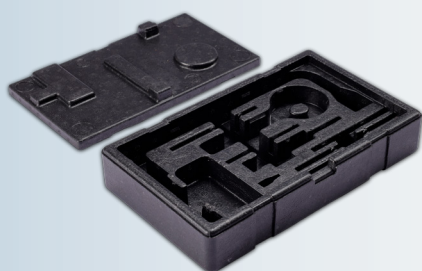
With its strength, durability and recyclability, EPP is perfectly suited to the demands of modern mobility. Our IATF 16949-certified processes ensure consistent quality, while our collaborative design support helps customers develop innovative and sustainable solutions.



Advanced EPP Automotive Applications



EPP Automotive Components



Tool Kit



Sun Visor



Fender



Seat Core



Tool Tray



Energy Absorbers
Rear and Front



Energy Absorbers



Head Rest

EPP Dunnage Solutions for Automotive Components

When it comes to critical automotive components like engine cases, sunroofs, rotors and stators, precision-engineered, impact-resistant packaging is essential. Our custom-moulded EPP dunnage offers unmatched protection during transit and storage.



Tailor-made fit for high-precision parts



Shock and vibration absorption during transport



Extremely lightweight reducing the cost per trip



Stackable and nestable, saving warehouse space



Reusable and 100% recyclable



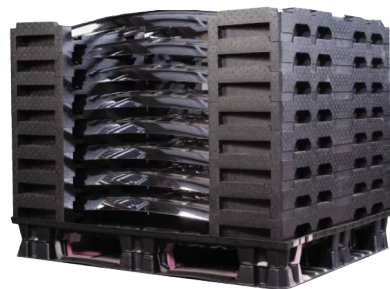
Sunroof Tray



Sunroof Tray
(Loaded)



Stackable Sunroof Tray



Stackable Sunroof Tray
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Our Approach to Sustainable Solutions



Resilient by Design

Our products are engineered for long-term use and durability, reducing the need for frequent replacements, conserving resources and lowering environmental impact.



Lightweight for a Lighter Footprint

By developing ultra-lightweight yet strong components, we help reduce transportation fuel consumption, contributing to lower carbon emissions across supply chains.



Lifecycle Efficiency

From multi-use industrial trays to energy-efficient protective packaging, our solutions are designed to deliver maximum utility over their lifespan while minimising resource consumption.



Why Choose K. K. Nag for Your EPP Solutions



In-House Design and Engineering Expertise

Custom solutions tailored to your space, safety and weight requirements using advanced modelling as well as simulation software.



Moulding Capabilities

Designed with integrated channels and impact buffers, our EPP solutions meet the highest standards across all industry applications.



Rapid Tool Development

Complete control over tool design and manufacturing – ensuring precision, speed and confidentiality.



Seamless Transition from Pilot to Production

End-to-end support from initial concept and prototyping to full-scale manufacturing all under one roof.

Why It Matters

- Accelerated Time-to-Market
- Lower Development Costs
- Improved Product Performance
- Aligned Technical Collaboration
- First Time Right Manufacturing
- Scalable Local Production



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