Automotive
The revolutionary backing for the automotive industry

Quality • Expertise • Innovation
Colback® backings are thermally bonded spunlaid nonwovens, made from bi-component filaments with a polyester core and either a polypropylene or a polyamide skin. Colback® offers isotropic characteristics, high tear strength and uniform elongation, allowing predictable and efficient moulding of complex shapes.

The unique two-step manufacturing process involves a rich set of parameters. Extensive in-house process technology and product development capabilities enable Colback® to be tailored to deliver the properties required for each specific application, no matter how demanding the end use.

Colback® stands for class-leading technology, maximum product performance and processing efficiency. Its unique characteristics make Colback® the preferred choice for premium products in the automotive industry.

In order to support complex moulded structures, Colback® has developed a diverse portfolio of primary and secondary backings which assists in allowing maximum deformation in a consistent quality, with optimum yields.

Colback® Revolutionary backing for the automotive industry

The automotive industry maintains high quality standards to meet their end user’s demands. Colback® nonwovens offer solutions tailored to the automotive industry, ensuring our products help meet those demands.
Colback®
features & benefits

Features
• Strong, open and homogeneously bonded filament based structure
• Outstanding thermal and dimensional stability in all directions
• High tear strength and uniform elongation
• Excellent mouldability at low temperatures
• Colback® primary backings offer excellent tuftability
• Consistent performance
• Optimal adhesion in various coating / laminating systems
• Versatile backing/support layer for various applications in an automotive vehicle

Benefits
• High and predictable processing stability during tufting, (pre) coating, dyeing and moulding
• Optimal penetration and fixation of coating systems
• High dimensional stability of moulded carpet, ensuring tight and close fitting of the carpet in the car interior
• Material savings by stretching before moulding
• Provides excellent mouldability at low temperatures, thereby allowing low cycle times
• Allows production of extremely complex and deep drawn carpets at the highest quality standards
Moulded Car Carpets
(Primary & Secondary Backing)
When a moulded car carpet is produced by
drawing in complex geometries at minimal
moulding cycles and still needs to have excellent
stability under severe climate conditions, there is no
better product than Colback®. The Colback® range
for moulding applications includes primary, as well
as secondary backings.

Colback® ProMotive
Colback® ProMotive is a thermally bonded spun-laid
nonwoven, made from bi-component filaments with
a polyester core and a polypropylene skin.
It stands for class-leading technology, maximum
product performance and efficient processing.
Its unique characteristics make Colback® ProMotive
the preferred choice for premium moulded products
in the automotive industry.

Colback® ProMotive is the preferred primary backing
for carpet constructions that are exposed to
extreme deformations. It allows to produce complex
geometries in minimal moulding cycles. Colback®
ProMotive is especially designed to provide high
performance at lower weights.

We understand the stringent requirements
of the automotive industry. Our Colback®
technology can consistently provide you
with the desired functionality.

| Composition | Thermally bonded nonwoven based on continuous bi-component filaments
<table>
<thead>
<tr>
<th></th>
<th>PET core and PP skin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Dtex per filament</td>
</tr>
<tr>
<td>Colback® ProMotive PG</td>
<td>15</td>
</tr>
<tr>
<td>Colback® ProMotive PB</td>
<td>15</td>
</tr>
</tbody>
</table>

Product specifications available upon request.

Elongation capacity at different moulding temperatures
Car Mats (Primary & Secondary Backing)

The demanding automotive customer requires high quality car mats with optimal lay flat characteristics and anchorage of the piles during the car mat’s useful life. Colback® ensures optimal processing efficiency and stability, whilst securing a strong tuft bind and a high abrasion resistance of the finished car mat.

Colback® can be applied in many designs, as the unique properties allow it to be used in components where either stability, moulding performance, tear strength, acoustics or weight reduction requirements are critical.
The Colback® brand not only stands for world class leading technology, but also for a highly committed global technical team, with a thorough understanding of various manufacturing processes.

We understand your application. Alongside a wide range of products, we can offer tailored solutions that will meet your requirements. We continually strive for best in class quality, technical support and customer service, supporting your ambition to differentiate and reach for success.
We are Low & Bonar

Colback® is the premium brand of the Interiors & Transportation division in the Low & Bonar Group. Low & Bonar is a global leader in high performance materials, selling in more than 60 countries worldwide and manufacturing in Europe, North America, the Middle East and China. We design and manufacture components which add value to, and improve the performance of, our customers’ products by engineering a wide range of polymers using our own manufacturing technologies to create yarn, fibres, industrial coated fabrics and composite materials. Our materials contribute to a more sustainable world and a higher quality of life. They help to make construction sites safer, reduce carbon footprint, reduce total cost of ownership, safely manage environmental waste, promote cleaner air and water, support higher crop production and create beautiful working and leisure environments.

Low & Bonar is listed on the London Stock Exchange: LWB.

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