

**Makrolon®** **Bayblend®** **Makroblend®**

# SHAPING FUTURE AUTOMOTIVE INTERIORS WITH POLYCARBONATE- BASED SOLUTIONS. WHY NOT?



## Automotive development trends are increasing the need for innovative, high-tech material

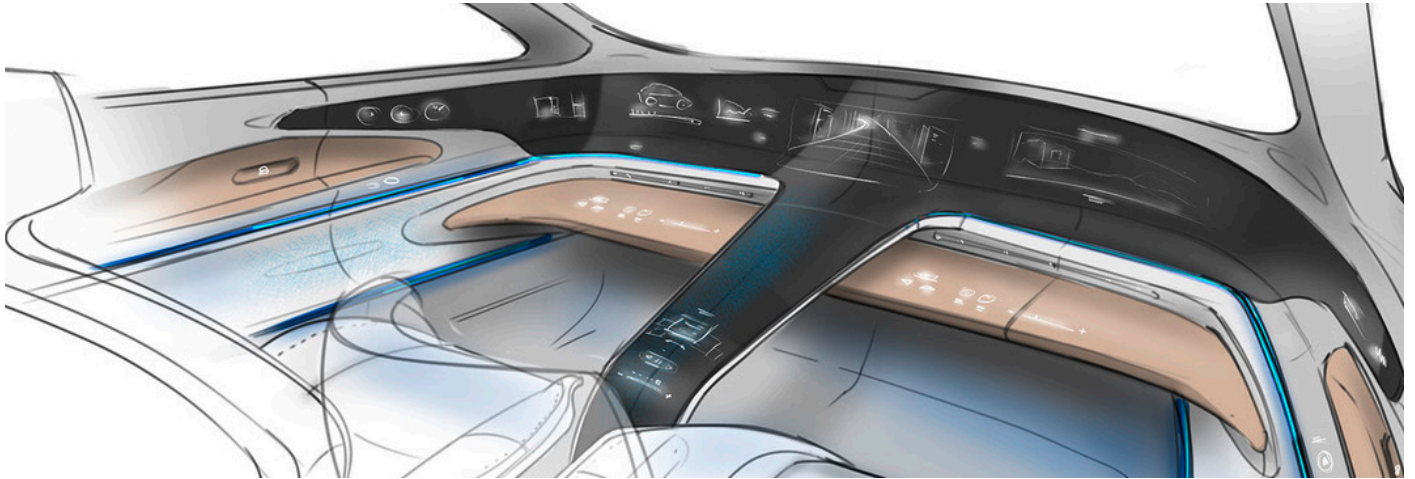
The automotive sector is undergoing a deep transformation; the car itself is becoming a more multifunctional living and working space. Autonomous driving, electrification, and new interconnecting technologies enable new ways to live the future car.

In the interior, seamless surfaces, large displays, ambient lighting, and the integration of sensors require advanced polymer solutions – key, among others, is an outstanding optical performance.

Covestro makes every effort to deliver high-quality material - developing constantly new material that satisfies future requirements.

Category	Applications	Requirements	Expertise
<b>Interior display / Head-up display</b>	<ul style="list-style-type: none"> <li>• Cover lens</li> <li>• Mirror</li> <li>• Structural elements/ housings</li> </ul>	<ul style="list-style-type: none"> <li>• Highest optical purity</li> <li>• Thermal and mechanical stability</li> <li>• „High-fidelity“ surfaces</li> <li>• Optical bonding</li> </ul>	<ul style="list-style-type: none"> <li>• Process know-how (Mold, molding, secondary operations)</li> </ul>
<b>Dynamic ambient lighting</b>	<ul style="list-style-type: none"> <li>• Trim parts</li> <li>• Edge lighting</li> <li>• Black-panel effects</li> </ul>	<ul style="list-style-type: none"> <li>• Translucent white</li> <li>• Translucent black</li> <li>• Fade out</li> <li>• Controlled diffusion properties</li> </ul>	<ul style="list-style-type: none"> <li>• Direct coating expertise</li> <li>• Optical data management (Yi, HPA, etc.)</li> </ul>
<b>Natural back-molded materials</b>	<ul style="list-style-type: none"> <li>• IP trim</li> <li>• Door trim</li> <li>• Dashboard</li> </ul>	<ul style="list-style-type: none"> <li>• Dimensional stability</li> <li>• High softening temperature</li> <li>• High transparency</li> <li>• Lowest warping</li> </ul>	
<b>Interior decorative parts</b>	<ul style="list-style-type: none"> <li>• IP trim (e.g. dash pads)</li> <li>• Door trim</li> <li>• Center console</li> <li>• Switches</li> <li>• Roof console</li> <li>• Headliner</li> </ul>	<ul style="list-style-type: none"> <li>• Glass-like appearance</li> <li>• Textured surfaces</li> <li>• Deep black</li> <li>• Molded-in-color</li> </ul>	
<b>Functional surfaces / materials</b>	<ul style="list-style-type: none"> <li>• Touch surfaces</li> <li>• Sensor cover</li> <li>• Driver monitoring system</li> <li>• Rain sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Controlled transparency</li> <li>• Highest optical purity</li> <li>• Sensor transparency</li> </ul>	<ul style="list-style-type: none"> <li>• Digital printing</li> <li>• Film insert molding</li> <li>• Direct coating</li> <li>• In-mold decoration</li> </ul>

## Covestro products dedicated to interior applications



Category	Makrolon®	Bayblend®	Makroblend®
<b>Interior display / Head-up display</b>	Makrolon® Ai series (opaque) Makrolon® TC series	Bayblend® T XF series Bayblend® T X series Bayblend® W series Bayblend® T GF series Bayblend® T MF series	Makroblend® UT235 M Makroblend® UT215 M
<b>Dynamic ambient lighting</b>	Makrolon® Ai series translucent Makrolon® Ai2215 Edgelight (EL) Makrolon® RW (reflective white) Makrolon® Ai series transparent	Bayblend® OM85 UV* Bayblend® RW85 XF	Makroblend® OM845 G
<b>Natural back-molded materials</b>	Makrolon® Ai2457 Makrolon® Ai2417 crystal clear	Bayblend® OM85 UV*	Makroblend® OM845 G
<b>Interior decorative parts</b>	Makrolon® Ai series (transparent, translucent, opaque) Makrolon® TC series	Bayblend® T85 HG Bayblend® T85 XUV Bayblend® W85 XB Bayblend® T PG series	Makroblend® OM845 G Makroblend® SR60 Makroblend® AR207 LG
<b>Functional surfaces / materials</b>	Makrolon® Ai2417 / Ai2217 Makrolon® Ai series ST (sensor technology)	Bayblend® T series	Makroblend® UT235 M

## More information



Please reach out to us – we gladly support you from the first idea to the start of production and beyond!



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