

Mobility: Interior Applications



Product information

LyondellBasell provides a comprehensive range of material solutions tailored to the diverse requirements of automotive interior applications.

CirculenRecover EP350 M/MK 6501 LE SF U – recycled PA6 and ABS blend with superior properties

This product contains 50% mechanically recycled raw materials from pre-consumer sources making it a more sustainable choice.

Recycled content according to DIN SPEC 91446:2021-12: R50

Data Quality Level according to DIN SPEC 91446:2021-12: DQL4

Data Quality Level according to VDA 284: DQL Automotive

Reasons to partner with us.

Key advantages

- Customization: Customized product formulations and flexible manufacturing
- Expert technical support: Such as material choice, injection molding simulation, guidance on mold and part design as well as practical support on site of processing
- Technology focus: Innovative technology and collaborative application development
- Quality: Analytical and quality control analysis for product consistency and reliability

No matter how you define success, LYB has the material expertise, processing know-how, market knowledge and application experience to help you achieve the success you strive for.

We not only offer a rich, diverse portfolio of standard products but also collaborate closely with our customers to understand their unique challenges and create a solution optimizing their processes.

Features

- Excellent impact strength.
- High melt flow for superior surfaces and thin walls.
- Matte appearance without painting.
- Exceptional acoustic dampening.
- High chemical resistance.
- Low emission grade meeting the common OEM standards.

Application examples



Loudspeaker grilles



Cup holders



Parts of dashboards and multimedia systems



Door components

Technical Property	Test Method	Unit	CirculenRecover EP350 M/MK 6501 LE SF U	Schulablend M/MK 6501 LE SF U / Schulablend M/MK K2004 SF
Density	ISO 1183-1/A	g/cm ³	1,08	1,08
MVR (250°C/5kg)	ISO 1133	cm ³ /10min	9	10
Tensile Modulus (dry)	ISO 527-2	MPa	1800	1800
Elongation at yield (dry)	ISO 527-2	%	38	40
Charpy Impact notched 23°C (dry)	ISO 179/eA	kJ/m ²	80	90
Charpy Impact notched -30°C	ISO 179/eA	kJ/m ²	17	30
Charpy Impact unnotched 23°C	ISO 179/eU	kJ/m ²	No break	No break
Vicat B50	ISO 306	°C	125	130
Total Carbon Emission	VW 50180	µgC/g'	20	13

About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit www.lyb.com or follow @LyondellBasell on LinkedIn.

Before using a product sold by a company of the LyondellBasell family of companies ("LyondellBasell"), users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. LyondellBasell MAKES NO WARRANTY, EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) OTHER THAN AS AGREED TO BY LyondellBasell IN

THE PRODUCT SALES CONTRACT. LyondellBasell prohibits or restricts the use of its products in certain applications. For further information on restrictions or prohibitions of use, please contact a LyondellBasell representative.

Users should review the applicable Material Safety Data Sheet before handling the product.

Circulen is a trademark owned and/or used by the LyondellBasell family of companies and is registered in the U.S. Patent and Trademark Office. Schulablend is a trademark owned and/or used by the LyondellBasell family of companies.

For more information, please visit www.lyb.com.