

Mobility: Interior Applications



Product information

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

CirculenRecover 350 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 350 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	%	3,5	3,4
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.

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

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