

CirculenRecover product selection guide

Suitable for a wide array of industrial, commercial, and consumer applications, *CirculenRecover* products are made from plastic waste that may otherwise be destined for landfills or incineration. Through a mechanical recycling process, post-consumer plastics are given a second life after being sorted, washed, ground, melted and formed into new pellets. The resulting *CirculenRecover* pellets can also be blended or compounded with traditional virgin products to provide brand owners with high-quality polymers that deliver against specific product performance and recycled content needs.

Polyethylene-based Products

Product	Type	Process	Application * Food Contact	% PCR	MFR	Density
GA501R	LLDPE	Blown Film	Can Liner / Industrial Film	30	1.0	0.918
M6020SBR	HDPE	Blown Film	High Barrier Dry Food*	50	2.0	0.960
L5670R	HDPE	Blown Film	Food*	90	0.7	0.956
LM6007R	HDPE	Blow Molding	Liquid Food*	25	0.7	0.960
LR7320R	HDPE	Blow Molding	Small Part Bottle	75	0.25 (35)	0.959

Polypropylene-based Products

Product	Type	Process	Application * Food Contact	% PCR	MFR	Modulus / Izod
EP643RR	PP	Injection Molding	Caps and Closures*	25	23	210 / 1.1
EP643NR	PP	Injection Molding	Caps and Closures*	25	12	220/1.1
EP445PR	PP	Injection Molding	Tubs & Containers* Caps & Closures*	30	17	165 / No Break

*Can be considered for food contact pending product stewardship review (limited to U.S. - FDA)

Table Units of Measure

- MFR (190 C/2.16 kg (21.6 kg HMLI) for PE and 230 C/2.16kg for PP)
- Density (g/cc)
- Flex Modulus (kpsi)
- Notched Izod (ft-lb/in)

Key Advantages

- We are backward integrated and have long-term sourcing contracts to ensure reliable Post Consumer Recycled (PCR) feedstock supply
- Our robust product stewardship process includes testing and screening to deliver consistently high-quality raw materials
- Our single pellet solutions enable higher PCR incorporation with improved product quality versus dry-blending
- Our technical expertise and broad portfolio of complimentary products, including virgin resins and additives, allow us to customize solutions for your desired performance characteristics and end applications

No matter how you define success, LyondellBasell has the materials expertise, processing know-how, market knowledge and application experience to help you achieve it.

We not only offer a rich, diverse portfolio of standard products, we work closely with our customers to understand their unique challenges and customize solutions that meet their specific needs.



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](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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