

Advancing Lightweight Vehicles – *SAVE10*





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.



Reducing emissions

Stronger, lighter plastics support increased fuel efficiency



Food safety & access

Food packaging and films that improve freshness, portability and extend shelf-life



Potable water delivery

Stronger, longer-lasting pipes used in municipal water systems and key elements used in water filtration systems



Agricultural efficiency

Lighter machinery, crop protection and soil conditioning used to be more efficient in agroprocessing



Sustainable & modern living

Materials that form components used in solar panels, wind turbines, children's toys, cosmetics, leak-proof and shatter-proof containers



Quality healthcare

Improved medical supplies such as synthetic latex gloves, hand sanitizers, biohazard bags and pill coatings

Save10

LyondellBasell's global Save10 initiative enables OEMs and Tier suppliers to potentially save up to 10 kg (~22 lbs.) of vehicle weight by using innovative PP compounds and technologies to produce lighter weight parts.

Our proven solutions support our customers' efforts to:

- Decrease part and vehicle weight
- Increase productivity through excellent processability
- Lower overall component costs

Our materials help advance cleaner air with lighter weight, more fuel efficient vehicles.

We can help you achieve *Save10* through:

- **Density Reduction**
Innovative low density materials designed with reduced filler content to meet or exceed material and part performance requirements.
- **Foaming of Parts**
New PP compounds which facilitate homogeneous foam structure, critical property retention and superior surface aesthetics on the molded part.
- **Thin Walling Parts**
Engineering high stiffness and high melt flow materials that allow for structural integrity and dimensional stability of injection molded components at reduced or optimized wall thickness.
- **Engineering Resin Replacement**
Polyolefin compounds that exceed the mechanical performance, dimensional stability and weatherability of select engineering resins at a lower density while also offering better processability.
- **Metal Substitution**
High performance light weight materials replace traditionally used metals and resins for Class A body panels with optimum rheology for large part molding.
- **Paint Elimination**
Lower system costs and reduce weight by replacing traditional painted engineering resins with molded-in-color PP compounds offering metallic and décor effects. Soft touch *Softell* products enable interior soft touch paint replacement or skin/ foam component substitution.



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