

PRODUCT INFORMATION

Lightweight @ LyondellBasell

New material solutions to reduce the weight of your application!

Weight reduction is one of the most important megatrends in the industry. Following this trend LyondellBasell is working on innovative solutions for their customers to reduce the weight of their applications. Due to our expertise in compounding, know how in special filler & reinforcement systems we have developed various material solutions to save weight.

How to save weight?



Metal replacement

With LyondellBasell's high performance polymer solutions it is possible to replace metal in various applications.

Ecotran: Heat resistant PPS compounds meet the highest requirements

Schulamid / Schuladur:

Glass fiber reinforced materials with high mechanical properties.



Polymer substitution

Polymer substitution is a method to achieve lower part weight.

■ A weight reduction up to 20% can be achieved.

Due to the improved technical properties of LyondellBasell's compounds, for some applications high density materials can be substituted by compounds with lower density.



Density reduced compounds

The newly developed reduced density grades are predestined for ambitious, cost attractive lightweight applications.

The RD grades fulfill the existing specifications of many OEM's.

■ Potential for weight reduction up to 12%.



Alternate processing technologies

By using alternate processing technologies a further weight reduction can be realized.

■ GIT - Gas injection technology

■ WIT - Water injection technology

■ PIT - Projectile injection technology

■ Foaming - Physical, Chemical

ABOUT US

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road, and ensuring the safe and effective functionality in electronics and appliances. LyondellBasell sells products into more than 100 countries and is the world's largest producer of polymer compounds and the largest licensor of polyolefin technologies. More information about LyondellBasell can be found at www.LyondellBasell.com.

For more information, visit lyb.com

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