

Lightweight at 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 and reinforcement systems, we have developed various material solutions to save weight.

How to save weight?

<p>Metal Replacement</p>	<p>Polymer Substitution</p>	<p>Density Reduced Compounds</p>	<p>Alternate Processing Technologies</p>
<p>With LyondellBasell's high-performance polymer solutions, it is possible to replace metal in various applications.</p> <p>Ecotran: Heat-resistant PPS compounds meet the highest requirements.</p> <p>Schulamid/Schuladur: Glass fiber reinforced materials with high mechanical properties.</p>	<p>Polymer substitution is a method to achieve lower part weight.</p> <p>A weight reduction up to 20% can be achieved.</p> <p>Due to the improved technical properties of LyondellBasell's compounds, for some applications high density materials can be substituted by compounds with lower density.</p>	<p>The newly developed reduced density grades are predestined for ambitious, cost attractive, lightweight applications.</p> <p>The RD grades fulfill the existing specifications of many OEMs.</p> <p>Potential for weight reduction up to 12%.</p>	<p>By using alternate processing technologies, a further weight reduction can be realized.</p> <p>GIT Gas injection technology</p> <p>WIT Water injection technology</p> <p>PIT Projectile injection technology</p> <p>Foaming Physical, chemical</p>

LyondellBasell's expertise helps you to find the right material fit for purpose.

ABOUT US

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its 13,400 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, and improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road. LyondellBasell sells products into approximately 100 countries and is the world's largest licensor of polyolefin technologies.

For more information, visit lyondellbasell.com.

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Advancing Possible