

Lupolen Resins Selected For Plastic Fuel Tanks

Delivering Proven Performance and Value Since the Industry's Beginnings



Photo courtesy of INERGY Automotive Systems

It all began in 1969 with the Porsche 911 Coupe – when one of the world's finest cars also featured the world's first plastic fuel tank (PFT) produced using *Lupolen* polyethylene. From there, a revolution in fuel tank technology was launched.

Since then, more than 300 million PFTs have been produced globally using our *Lupolen* 4261 AG polyethylene resin. Nearly 40 years later, LyondellBasell remains at the leading edge of the industry, as one of the world's largest suppliers of specialty HDPE to PFT producers.

Product Portfolio

Product Code	Processing	HLMI [g/10min]	Typical OEM Fuel Applications
<i>Lupolen</i> 4261 AG	Blow Molding	6	Co-ex Fuel Systems
<i>Lupolen</i> 4261 AG BD	Thermoforming		Mono Fuel Systems
<i>Lupolen</i> 4261 A Q135	Blow Molding	6	Mono Fuel Systems
<i>Lupolen</i> 4261 AIM	Injection Molding	15	Additional Components for Fuel Systems
<i>Lupolen</i> 4261 AIM BD			
<i>Hostalen</i> GM 9350 C	Blow Molding Injection Molding	3	Electro Conductive Components for Fuel Systems
<i>Lupolen</i> 4261 A SW63200	Black Masterbatch	6	Coloring and UV Protection



In addition to extensive product expertise, manufacturers and OEMs benefit from technical support provided through our CAD/CAM design and simulation programs. *Lupolen* grades are not only used for blow molding of PFT shells; customers also select our specialty PFT grades for injection molding, black masterbatches and electro-conductive applications.

LyondellBasell's product development activities have resulted in the creation of the new *Lupolen* + family of resins; customers report the grades offer enhanced fluorination efficiency, UV resistance and improved resistance to biodiesels and peroxides often present in alcohols and gasoline (also known as dirty fuels).

You can find out more about us by visiting our website at: lyondellbasell.com

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The Four Property Pillars



Design Freedom and Weight Savings

Offering significant design opportunities, optimum weight-savings potential, good corrosion resistance and cost-saving production capabilities (through extrusion blow molding), our *Lupolen* resins have been used in PFTs for decades.

Customers have discovered that *Lupolen* resins' unique balance of properties and performance characteristics – a low melt index, broad molecular weight distribution and superior impact resistance – has been critical for their success.

