

LIGHT WEIGHT TECHNOLOGY



WASHINGTON PENN
An AUDIA® Company

Formulate Great.™

TRAVEL LIGHT WITH US.

Innovation comes first at Washington Penn. Our light weight technology is a series of highly-engineered polyolefins developed to address the market need for reducing weight in plastic parts.

Washington Penn has years of experience in light weighting solutions in the automotive industry, so we can help you achieve improvements in fuel efficiency, vehicle emission reductions, and lowered operating costs. All without sacrificing the performance.

The trend in light weighting is increasing. Industries such as packaging, building & construction, appliance, and consumer are utilizing our light weight technology in next generation applications to capitalize on material savings, decreased part cost, and environmental benefits.

To decrease weight, we follow two common approaches – material density reduction and/or part thinning. Each approach requires a unique material solution in order to maintain the part performance and processing consistency while optimizing cost.

Seeking to improve material efficiencies? Our team is ready to work with you to customize light weighting solutions for your application needs. Contact us and let's work together to formulate great.

Applications:

- **Vehicle Exteriors**
 - Bumper
 - Cowl screens
 - Accent panels
- **Vehicle Interiors**
 - Instrument panels
 - Knee bolsters
 - Pillar and door trim

Key Characteristics

- **Reduce Material Density**
 - Maintain stiffness
 - Maintain impact
 - Maintain viscosity
- **Part Thinning**
 - Increase stiffness
 - Increase impact
 - Reduce viscosity

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