



Replacing Polyamides (Nylon)

Washington Penn Plastic constantly seeks to provide cost-saving, durable, and high-performance alternatives for our customers. Glass-reinforced polypropylene (GRPP) is an ideal replacement for polyamides (PA6, PA66, glass-filled PA, etc.).



The Automotive industry has been leading efforts in rapidly replacing Nylon grades with GRPP with other industries following suit.

Advantages of GRPP

Lower Cost

Up to 10 - 20% lower resin price



Long-Term Environmental Application

Wide application window up to 150° C, plus improved weathering performance



Weight Reduction

~ 15 -20% weight reduction potential



Comparable Stiffness

Stiffness is comparable at both ambient and sub-ambient temperatures



Chemical Resistance

Polypropylene is inherently chemically resistant



Lower Energy Usage & Carbon Footprint

GRPP requires lower processing temperature, fewer processing steps, and easier recyclability



Custom Solutions

As a custom-compounder, Washington Penn Plastic can tailor and engineer glass-reinforced polypropylene products for our customers.

Washington Penn Plastic is a leading provider of polypropylene and polyethylene-based compounds. For more than 60 years, WPP has worked with customers to discover, innovate, and develop practical polyolefin solutions.

Want to learn more?
Visit our website!

www.washingtonpennplastic.com

