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.).

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

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

Custom Solutions

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

Want to learn more? Visit our website!

www.washingtonpennplastic.com