THERMYLENE® - Glass Reinforced Polypropylene (GF-PP) for Advanced Lightweight Solutions

Application Areas
- Automotive & heavy truck industry (structural brackets and frames, door panels, instrument panel and console structures, shifter gearbox bases, radiator fan shrouds, radiator fan blades, vapor recovery canisters, electrical and hybrid vehicle components)
- Furniture industry
- Large home appliances (refrigerators, washing machine, etc.)

Solution / Innovation for the Industry
- Advanced lightweight solutions
- Inherent low specific gravity for lighter weight parts
- Optimized for high strength thin-walled parts
- Advanced Cu-stabilization
- Easy to process

Thermylene® represents Asahi Kasei’s family of specialty chemically coupled glass reinforced polypropylenes (GF-PP).

When advanced chemical coupling technology is applied to glass fiber reinforced polypropylene, significant improvements are seen across a number of key physical attributes.

The enhanced properties of these polymers yield an extremely attractive cost/performance balance when compared to traditional engineering thermoplastics.

Key Properties
- Good knit line strength and stiffness
- Improved elevated temperature performance
- Higher creep resistance
- Enhanced toughness
- Excellent chemical resistance
- Superior modulus/weight balance
- Enhanced tensile strength
- Low specific gravity
- Low odor/low-VOC grades available

For further information click here