

Thermylene® P6-50FG-0600

 Asahi Kasei Plastics North America Inc. - *Polypropylene*
General Information
Product Description

This structural-purpose glass-reinforced polypropylene compound has high strength/stiffness and good creep resistance. Additionally it is heat stabilized for high temperature applications.

General

| | | | |
|---------------------------|-------------------------------------|------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| | • Asia Pacific | • Latin America | |
| Filler / Reinforcement | • Glass Fiber, 50% Filler by Weight | | |
| Additive | • Heat Stabilizer | | |
| Features | • Creep Resistant | • High Stiffness | |
| | • Heat Stabilized | • High Strength | |
| Uses | • Automotive Applications | | |
| Automotive Specifications | • GM GMW16607P-PP-GF50 | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|----------------------|-----------------------|--------------------|
| Density | 1.35 | g/cm ³ | ISO 1183/A |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 16200 | psi | ISO 527-2 |
| Flexural Modulus | 1.49E+6 | psi | ISO 178 |
| Flexural Stress | 24200 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 5.3 | ft·lb/in ² | ISO 179 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 304 | °F | ISO 75-2/A |

