



Thermylene® P6-40FG-0100

Asahi Kasei Plastics North America Inc. - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

PP-GF40

40% Glass Fiber Reinforcement

General

| | | | |
|---------------------------|--------------------------------------------------------------------------|----------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| Filler / Reinforcement | • Asia Pacific • Latin America • Glass Fiber, 40% Filler by Weight | | |
| Automotive Specifications | • CHRYSLER MS-DB-500 CPN 4504 | • GM GMW15702-150036 | |

ASTM & ISO Properties¹

| Physical | Nominal Value | Unit | Test Method |
|---------------------------------------------------|---------------|-----------------------|-------------|
| Density | 1.25 | g/cm ³ | ISO 1183/A |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 7.0 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 13100 | psi | ISO 527-2 |
| Flexural Modulus | 1.13E+6 | psi | ISO 178 |
| Flexural Stress | 19700 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 4.5 | ft-lb/in ² | ISO 179 |
| Notched Izod Impact Strength | 4.3 | ft-lb/in ² | ISO 180/A |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (264 psi, Unannealed) | 293 | °F | ISO 75-2/A |

Notes

¹ Typical properties: these are not to be construed as specifications.