



Thermylene® P6-30FG-0600R

Asahi Kasei Plastics North America Inc. - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

PP-GF30

30% Glass Fiber Reinforcement

General

| | | | |
|---------------------------|-------------------------------------|-------------------------------|--|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| Filler / Reinforcement | • Asia Pacific • Latin America | | |
| Automotive Specifications | • Glass Fiber, 30% Filler by Weight | • CHRYSLER MS-DB-500 CPN 3580 | • FORD WSS-M4D732-A5 • GM GMP.PP.017 Color: BK711 Black |

ASTM & ISO Properties¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-----------------------|-------------|
| Density | 1.14 | g/cm ³ | ISO 1183/A |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 11300 | psi | ISO 527-2 |
| Flexural Modulus | 798000 | psi | ISO 178 |
| Flexural Stress | 17100 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 4.0 | ft-lb/in ² | ISO 179 |
| Notched Izod Impact Strength | 4.4 | ft-lb/in ² | ISO 180/A |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (66 psi, Unannealed) | 313 | °F | ISO 75-2/B |
| Heat Deflection Temperature (264 psi, Unannealed) | 288 | °F | ISO 75-2/A |

Notes

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