

Technical Data Sheet
Fiberfil® PP-60/CC/30
 Polypropylene Homopolymer
 Engineering Plastics



General

| | |
|------------------------|---|
| Filler / Reinforcement | • Calcium Carbonate, 30% Filler by Weight |
| Features | • Homopolymer |
| Forms | • Pellets |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.16 | 1.16 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 13 g/10 min | 13 g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | | | ASTM D955 |
| 0.125 in (3.18 mm) | 0.011 in/in | 1.1 % | |
| 0.250 in (6.35 mm) | 0.011 in/in | 1.1 % | |
| Water Absorption (24 hr) | 0.010 % | 0.010 % | ASTM D570 |

| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|--------------------|-------------|
| Tensile Modulus (73°F (23°C)) | 380000 psi | 2620 MPa | ASTM D638 |
| Tensile Strength (73°F (23°C)) | 4000 psi | 27.6 MPa | ASTM D638 |
| Tensile Elongation (Yield, 73°F (23°C)) | 40 % | 40 % | ASTM D638 |
| Flexural Modulus - Tangent (73°F (23°C)) | 355000 psi | 2450 MPa | ASTM D790 |
| Flexural Strength (73°F (23°C)) | 6000 psi | 41.4 MPa | ASTM D790 |

| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact | | | ASTM D256 |
| 73°F (23°C), 0.125 in (3.18 mm) | 0.50 ft-lb/in | 27 J/m | |

| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Rockwell Hardness (R-Scale) | 95 | 95 | ASTM D785 |

| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 psi (0.45 MPa), Unannealed | 250 °F | 121 °C | |
| 264 psi (1.8 MPa), Unannealed | 165 °F | 73.9 °C | |

Notes

These are typical property values not to be construed as specification limits.