

Polifil® GFPC-20

PC-GF20

The Plastics Group of America

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 7 | g/10min | ASTM D 1238 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| Mold Shrinkage, MD | 0.003 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|--------------------------|
| ASTM Data | | | |
| Tensile Modulus | 5867 | MPa | ASTM D 638 |
| Tensile Strength | 109 | MPa | ASTM D 638 |
| Elongation at Yield | 3 | % | ASTM D 638 |
| Elongation at Break | 5 | % | ASTM D 638 |
| Flexural Modulus | 5378 | MPa | ASTM D 790 |
| Flexural Strength | 131 | MPa | ASTM D 790 |
| Rockwell Hardness | R 120 | - | ASTM D 785 |
| Gardner Impact | 0.452 | J | ASTM D 2794,4226,5420 |
| Izod Impact notched, 1/8 in | 133 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 149 | °C | ASTM D 648 |
| DTUL @ 264 psi | 146 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.2 | % | ASTM D 570 |
| Density | 1350 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Features

Low Odor

Applications

Electrical and Electronical

Regional Availability

North America