

**Polifil® GFPC-40**

PC-GF40

The Plastics Group of America

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>5</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Mold Shrinkage, MD	<b>0.002</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Modulus	<b>11030</b>	MPa	ASTM D 638
Tensile Strength	<b>138</b>	MPa	ASTM D 638
Elongation at Yield	<b>2</b>	%	ASTM D 638
Elongation at Break	<b>3</b>	%	ASTM D 638
Flexural Modulus	<b>9308</b>	MPa	ASTM D 790
Flexural Strength	<b>185</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 120</b>	-	ASTM D 785
Gardner Impact	<b>0.452</b>	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	<b>96.1</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>149</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>146</b>	°C	ASTM D 648
<b>Other properties</b>			
Water Absorption, 24hr	<b>0.15</b>	%	ASTM D 570
Density	<b>1520</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Features**

Low Odor

**Delivery form**

Pellets

**Applications**

Electrical and Electronical

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America