

Polifil® GFPC-30

PC-GF30

The Plastics Group of America

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	8618	MPa	ASTM D 638
Tensile Strength	130	MPa	ASTM D 638
Elongation at Yield	2	%	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	7929	MPa	ASTM D 790
Flexural Strength	157	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	112	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	149	°C	ASTM D 648
DTUL @ 264 psi	146	°C	ASTM D 648
Other properties			
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1430	kg/m ³	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