

Polifil® GFPC-10

PC-GF10

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	2861	MPa	ASTM D 638
Tensile Strength	79.3	MPa	ASTM D 638
Elongation at Yield	3	%	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	3930	MPa	ASTM D 790
Flexural Strength	101	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Gardner Impact	0.678	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	143	°C	ASTM D 648
DTUL @ 264 psi	135	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1260	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