

TRISTAR® PC-10GF

PC-GF10

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	62	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	3103	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	133	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	138	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.12	%	ASTM D 570
Density	1250	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	93.3 - 121	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	293 - 327	°C	-
Mold temperature	93.3 - 121	°C	-
Zone 1	271 - 299	°C	-
Zone 2	282 - 310	°C	-
Zone 3	288 - 327	°C	-
Nozzle temperature	288 - 327	°C	-
Screw speed	40 - 70	rpm	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Release agent

Certifications

RoHS compliant

Applications

Electrical and Electronical, General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa