

TRISTAR® PC-10GFR

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	107	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.3	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	877	°C	IEC 60695-2-13
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	138	°C	ASTM D 648
Limiting Oxygen Index	37	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	18.9	kV/mm	ASTM D 149
Volume Resistivity	3E15	Ohm*cm	ASTM D 257
Arc Resistance	60	s	ASTM D 495
Other Standards^[5]			
Comparative tracking index	175	-	UL 746A

S: These properties are reported by the producer according standards that are different to our defaults.

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

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Release agent

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

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