

TRISTAR® PC-10

PC

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	62.1	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2213	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	70.2	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	68.4	E-6/K	ASTM D 696
DTUL @ 264 psi	127	°C	ASTM D 648
Other properties			
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	288 - 316	°C	-
Mold temperature	71.1 - 93.3	°C	-
Zone 1	266 - 277	°C	-
Zone 2	271 - 282	°C	-
Zone 3	282 - 299	°C	-
Nozzle temperature	277 - 304	°C	-
Screw speed	40 - 70	rpm	-
Injection pressure	82.7 - 124	MPa	-
Back pressure	0.345 - 1.38	MPa	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

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