

PTS PCA-1012

(PC+ABS)

Amco Polymers

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	55.2	MPa	ASTM D 638
Elongation at Break	130	%	ASTM D 638
Flexural Modulus	2206	MPa	ASTM D 790
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	102	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	104	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	238 - 254	°C	-
Mold temperature	68.3 - 87.8	°C	-
Zone 1	221 - 229	°C	-
Zone 2	224 - 235	°C	-
Zone 3	229 - 241	°C	-
Nozzle temperature	232 - 243	°C	-
Screw speed	40 - 70	rpm	-
Injection pressure	68.9 - 138	MPa	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Pellets

Regional Availability

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