

**PTS PCA-1012(V)**  
(PC+ABS)

Amco Polymers

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

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

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

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

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather

**Regional Availability**

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