

**PTS PCA-2010NH**

(PC+ABS)

Amco Polymers

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>15</b>	g/10min	ASTM D 1238
Temperature	<b>260</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.0055</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>60</b>	MPa	ASTM D 638
Elongation at Break	<b>50</b>	%	ASTM D 638
Flexural Modulus	<b>2572</b>	MPa	ASTM D 790
Flexural Strength	<b>59</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>534</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Burning behav. 5V at thickness h	<b>5VB</b>	class	IEC 60695-11-20
Thickness tested	<b>3.0</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.52</b>	mm	-
DTUL @ 264 psi	<b>95</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1190</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>96.1</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>246 - 288</b>	°C	-
Mold temperature	<b>57.2 - 85</b>	°C	-
Zone 1	<b>232 - 266</b>	°C	-
Zone 2	<b>246 - 274</b>	°C	-
Zone 3	<b>246 - 288</b>	°C	-
Nozzle temperature	<b>246 - 288</b>	°C	-
Screw speed	<b>25 - 75</b>	rpm	-
Injection pressure	<b>68.9 - 110</b>	MPa	-
Back pressure	<b>0.172 - 0.689</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free

**Delivery form**

Pellets

**Regional Availability**

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