

PTS PCA-2201NH

(PC+ABS)

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	60	MPa	ASTM D 638
Elongation at Break	65	%	ASTM D 638
Flexural Modulus	2689	MPa	ASTM D 790
Izod Impact notched, 1/8 in	587	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
Yellow Card available	yes	-	-
Glow Wire Flammability Index (GWFI)	927	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.52	mm	-
Glow Wire Flammability Index (GWFI)	927	°C	IEC 60695-2-12
GWFI - thickness tested (2)	2.03	mm	-
Glow Wire Flammability Index (GWFI)	949	°C	IEC 60695-2-12
GWFI - thickness tested (3)	3.05	mm	-
Glow Wire Ignition Temperature (GWIT)	699	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.52	mm	-
Glow Wire Ignition Temperature (GWIT)	699	°C	IEC 60695-2-13
GWIT - thickness tested (2)	2.03	mm	-
Glow Wire Ignition Temperature (GWIT)	699	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3.05	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	85	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	18.1	kV/mm	ASTM D 149
Other Standards^[5]			
Comparative tracking index	600	-	UL 746A

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

Other properties	Value	Unit	Test Standard
Density	1170	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Special Characteristics

Flame retardant, Halogen-free

Regional Availability

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