

PTS PCA-3013

(PC+PBT)

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	51.7	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	1827	MPa	ASTM D 790
Izod Impact notched, 1/8 in	694	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	100	°C	ASTM D 648
Other properties			
Water Absorption, 24hr	0.03	%	ASTM D 570
Density	1210	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	249 - 271	°C	-
Mold temperature	65.6 - 82.2	°C	-
Zone 1	238 - 249	°C	-
Zone 2	243 - 260	°C	-
Zone 3	252 - 274	°C	-
Nozzle temperature	252 - 263	°C	-
Screw speed	25 - 50	rpm	-
Back pressure	1.72 - 3.45	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Regional Availability

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