

PTS PCA-3015

(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	0.0075	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	51	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	1862	MPa	ASTM D 790
Izod Impact notched, 1/8 in	801	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	310	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	116	°C	ASTM D 648
DTUL @ 264 psi	96.1	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.03	%	ASTM D 570
Density	1170	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	243 - 279	°C	-
Mold temperature	65.6 - 82.2	°C	-
Zone 1	232 - 243	°C	-
Zone 2	238 - 254	°C	-
Zone 3	246 - 268	°C	-
Nozzle temperature	246 - 266	°C	-
Screw speed	20 - 60	rpm	-
Back pressure	0 - 3.45	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Regional Availability

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