

PTS PCA-1012

Polycarbonate + ABS

Polymer Technology and Services, LLC

Message:

PTS PCA-1012 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
Features	Good Impact Resistance		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (3.17 mm)	55.2	MPa	ASTM D638
Tensile Elongation (Break, 3.17 mm)	130	%	ASTM D638
Flexural Modulus (3.17 mm)	2210	MPa	ASTM D790
Flexural Strength (3.17 mm)	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	102	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm, NC)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Shot Size	50 to 80	%	
Rear Temperature	221 to 229	°C	
Middle Temperature	224 to 235	°C	
Front Temperature	229 to 241	°C	
Nozzle Temperature	232 to 243	°C	
Processing (Melt) Temp	238 to 254	°C	
Mold Temperature	68.3 to 87.8	°C	

Injection Pressure	68.9 to 138	MPa
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm

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Recommended distributors for this material

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