

PTS PCA-1010HF

Polycarbonate + ABS

Polymer Technology and Services, LLC

Message:

PTS PCA-1010HF 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

High Flow

General Information			
Features	High Flow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 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 (Yield, 3.17 mm)	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	107	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	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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