

PTS PCA-3013

Polycarbonate + PBT

Polymer Technology and Services, LLC

Message:

PTS PCA-3013 is a Polycarbonate + PBT (PC+PBT) 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			
UL YellowCard	E155285-100053028		
Features	High Flow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.17 mm)	51.7	MPa	ASTM D638
Tensile Elongation (Break, 3.17 mm)	150	%	ASTM D1708
Flexural Modulus (3.17 mm)	1830	MPa	ASTM D790
Flexural Strength (Yield, 3.17 mm)	63.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI Str	75.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Shot Size	50 to 80	%	
Rear Temperature	238 to 249	°C	

Middle Temperature	243 to 260	°C
Front Temperature	252 to 274	°C
Nozzle Temperature	252 to 263	°C
Processing (Melt) Temp	249 to 271	°C
Mold Temperature	65.6 to 82.2	°C
Back Pressure	1.72 to 3.45	MPa
Screw Speed	25 to 50	rpm

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