

PTS PCA-2201NH

Polycarbonate + ABS

Polymer Technology and Services, LLC

Message:

PTS PCA-2201NH is a Polycarbonate + ABS (PC+ABS) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Characteristics include:

- Flame Rated
- Flame Retardant
- Halogen Free

General Information			
UL YellowCard	E155285-101404320		
Additive	Flame Retardant		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/3.8 kg	12	g/10 min	
260°C/2.16 kg	16	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.17 mm)	60.0	MPa	ASTM D638
Tensile Elongation (Break, 3.18 mm)	65	%	ASTM D638
Flexural Modulus (3.17 mm)	2690	MPa	ASTM D790
Flexural Strength (3.17 mm)	88.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	18	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	> 600	V	UL 746
Comparative Tracking Index (CTI)	PLC 0		UL 746
High Amp Arc Ignition (HAI)			UL 746

1.50 mm	60.0 to 120		
2.50 mm	60.0 to 120		
3.00 mm	60.0 to 120		
High Amp Arc Ignition (HAI)			UL 746
1.50 mm	PLC 1		
2.50 mm	PLC 1		
3.00 mm	PLC 1		
High Voltage Arc Tracking Rate (HVTR)	80.0 to 150	mm/min	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 3		UL 746
Hot-wire Ignition (HWI)			UL 746
1.50 mm	15 to 30	sec	
2.50 mm	15 to 30	sec	
3.00 mm	30 to 60	sec	
Hot-wire Ignition (HWI)			UL 746
1.50 mm	PLC 3		
2.50 mm	PLC 3		
3.00 mm	PLC 2		
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
2.00 mm	5VB		
3.00 mm	5VA		
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	925	°C	
2.00 mm	925	°C	
3.00 mm	950	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	700	°C	
2.00 mm	700	°C	
3.00 mm	700	°C	

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