

Pier One PC/ABS CY1200 NC

Polycarbonate + ABS

Pier One Polymers, Inc.

Message:

Pier One PC/ABS CY1200 NC is a Polycarbonate + ABS (PC+ABS) material. It is available in North America for injection molding.

General Information			
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11 to 1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/3.8 kg)	5.0 to 18	g/10 min	ISO 1133
Ash Content	0.0	%	ASTM D4218
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C, Injection Molded)	> 48.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C, Injection Molded)	> 3.9	%	ISO 527-2
Flexural Modulus (23°C, Injection Molded)	> 2100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-29°C, Injection Molded	> 25	kJ/m ²	
23°C, Injection Molded	> 43	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 129	°C	ISO 75-2/B
1.8 MPa, Unannealed	> 104	°C	ISO 75-2/A
Vicat Softening Temperature	> 137	°C	ISO 306

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Recommended distributors for this material

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