

PB-1201

(PC+ABS)

CHIMEI Corporation

Product Texts

Contains 75% Post-Consumer Recycled (PCR) plastic.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	54	MPa	ASTM D 638
Tensile Strength at Break	44.1	MPa	ASTM D 638
Flexural Modulus	2452	MPa	ASTM D 790
Flexural Strength	88.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	443	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.2	mm	-
DTUL @ 66 psi	90	°C	ASTM D 648
DTUL @ 264 psi	80	°C	ASTM D 648
Vicat Temperature	95	°C	ASTM D 1525

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Surface resistivity	1E16	Ohm	IEC 62631-3-2

Other properties

	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	85 - 90	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	50 - 80	°C	-
Feed temperature	200 - 220	°C	-
Zone 1	230 - 250	°C	-
Nozzle temperature	220 - 240	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Certifications

Recycled Resin Content