

Product Texts

Contains 60% Post-Consumer Recycled (PCR) plastic.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	10	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Yield stress	58	MPa	ISO 527
Flexural modulus, 23°C	4200	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Izod notched impact strength, +23°C	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	56.9	MPa	ASTM D 638
Flexural Modulus	4120	MPa	ASTM D 790
Flexural Strength	93.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	51	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, A	105	°C	ISO 306
Coeff. of linear therm. expansion, parallel	83.9	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.399	mm	-
DTUL @ 264 psi	90	°C	ASTM D 648
Vicat Temperature	105	°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	1300	kg/m ³	ISO 1183
Density	1300	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	60 - 80	°C	-
Feed temperature	200 - 230	°C	-
Zone 1	230 - 260	°C	-
Nozzle temperature	220 - 250	°C	-

PB-1202

(PC+ABS)-MX15

CHIMEI Corporation

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Special Characteristics

Flame retardant

Regional Availability

Asia Pacific