

**Product Texts**

Contains 85% Post-Consumer.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	8	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	60	MPa	ISO 527
Stress at break	40	MPa	ISO 527
Flexural modulus, 23°C	3300	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Izod notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	63.8	MPa	ASTM D 638
Flexural Modulus	3335	MPa	ASTM D 790
Flexural Strength	108	MPa	ASTM D 790
Izod Impact notched, 1/8 in	96.1	J/m	ASTM D 256

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
Vicat softening temperature, A	145	°C	ISO 306
Coeff. of linear therm. expansion, parallel	50	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.5	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.5	mm	-
Coefficient of Thermal Expansion, MD	90	E-6/K	ASTM D 696
DTUL @ 66 psi	140	°C	ASTM D 648
Vicat Temperature	145	°C	ASTM D 1525

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Surface resistivity	1E16	Ohm	IEC 62631-3-2
<b>ASTM Data</b>			
Surface Resistivity	1E16	Ohm	ASTM D 257

**Other properties**

	Value	Unit	Test Standard
Density	1270	kg/m <sup>3</sup>	ISO 1183
Density	1270	kg/m <sup>3</sup>	ASTM D 792

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	110 - 120	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	70 - 110	°C	-

**GCR-9110**

PC-GF10

CHIMEI Corporation

Feed temperature	<b>250 - 300</b>	°C	-
Zone 1	<b>260 - 300</b>	°C	-
Nozzle temperature	<b>260 - 300</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical

**Special Characteristics**

Flame retardant

**Regional Availability**

Asia Pacific

**Certifications**

Recycled Resin Content, RoHS compliant