

WONDERLOY PC-540 G60

(PC+ABS)

CHIMEI Corporation

Product Texts

Post-consumer recycled (PCR) plastic (60%).

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	18	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Yield stress	55	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	45	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	45	kJ/m ²	ISO 180/1A

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	83	°C	ISO 75-1/-2
Vicat softening temperature, A	108	°C	ISO 306
Coeff. of linear therm. expansion, parallel	80	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	-

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Volume resistivity	3.9E15	Ohm*m	IEC 62631-3-1
Surface resistivity	2.9E15	Ohm	IEC 62631-3-2

Other properties

	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Flame retardant

Certifications

Recycled Resin Content, RoHS compliant

Applications

Electrical and Electronical

Regional Availability

Asia Pacific