

Product Texts

Contains 35% Information Technology Equipment (ITE) derived Post-Consumer Recycled (PCR)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	1.8	cm ³ /10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	1.8	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	39	MPa	ISO 527
Stress at break	30	MPa	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	60	MPa	ISO 178
Izod notched impact strength, +23°C	16	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	38.3	MPa	ASTM D 638
Tensile Strength at Break	29.4	MPa	ASTM D 638
Flexural Modulus	2158	MPa	ASTM D 790
Flexural Strength	58.9	MPa	ASTM D 790
Izod Impact notched, 1/8 in	155	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Vicat softening temperature, A	105	°C	ISO 306
Coeff. of linear therm. expansion, parallel	86	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
Coefficient of Thermal Expansion, MD	155	E-6/K	ASTM D 696
DTUL @ 264 psi	85	°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
ASTM Data			
Surface Resistivity	1E16	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Density	1050	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	50 - 70	°C	-
Feed temperature	190 - 200	°C	-
Zone 1	200 - 220	°C	-

GA-1535

ABS

CHIMEI Corporation

Nozzle temperature

230 - 210

°C

-

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Features

Copolymer

Regional Availability

Asia Pacific