

Product Texts

Contains 65% 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 | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |
| 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 | 15 | 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 unnotched, 1/8 in | 144 | 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 | - |

GA-1565

ABS

CHIMEI Corporation

| | | | |
|--------------------|------------------|----|---|
| Zone 1 | 200 - 220 | °C | - |
| Nozzle temperature | 210 - 230 | °C | - |

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Features

Copolymer

Regional Availability

Asia Pacific