

HAC5020G

(PC+ABS)-GF

Shanghai Kumho Sunny Plastics Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |
| ASTM Data | | | |
| Melt Flow Index, MFI | 20 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 10 | kg | - |
| Mold Shrinkage, MD | 0.003 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Strength | 100 | MPa | ISO 527 |
| Flexural modulus, 23°C | 5400 | MPa | ISO 178 |
| Flexural strength | 140 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 8 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 7 | kJ/m ² | ISO 180/1A |
| ASTM Data | | | |
| Tensile Strength | 100 | MPa | ASTM D 638 |
| Elongation at Break | 4 | % | ASTM D 638 |
| Flexural Modulus | 5400 | MPa | ASTM D 790 |
| Flexural Strength | 140 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 120 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 120 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 128 | °C | ISO 306 |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 264 psi | 128 | °C | ASTM D 648 |
| Vicat Temperature | 122 | °C | ASTM D 1525 |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | 1E15 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| Other properties | | | |
| Density | 1280 | kg/m ³ | ISO 1183 |
| Density | 1300 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 110 - 120 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 270 - 280 | °C | - |
| Mold temperature | 60 - 80 | °C | - |
| Zone 1 | 220 - 240 | °C | - |
| Zone 2 | 240 - 260 | °C | - |
| Zone 3 | 270 - 280 | °C | - |
| Nozzle temperature | 260 - 270 | °C | - |
| Screw speed | 30 - 70 | rpm | - |
| Back pressure | 0.3 - 1 | MPa | - |

Characteristics

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Processing

Injection Molding

Regional Availability

Asia Pacific

Applications

Electrical and Electronical