

HCB9240

(PC+PBT)

Shanghai Kumho Sunny Plastics Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 20 | g/10min | ISO 1133 |
| Temperature | 250 | °C | - |
| Load | 5 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 20 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 5 | kg | - |
| Mold Shrinkage, MD | 0.0135 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Strength | 46 | MPa | ISO 527 |
| Flexural modulus, 23°C | 1800 | MPa | ISO 178 |
| Flexural strength | 75 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 45 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 15 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 40 | kJ/m ² | ISO 180/1A |
| ASTM Data | | | |
| Tensile Strength | 46 | MPa | ASTM D 638 |
| Elongation at Break | 130 | % | ASTM D 638 |
| Flexural Modulus | 1800 | MPa | ASTM D 790 |
| Flexural Strength | 75 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 800 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 86 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 98 | °C | ISO 306 |
| ASTM Data | | | |
| DTUL @ 264 psi | 86 | °C | ASTM D 648 |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | 1E15 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| Other properties | | | |
| Density | 1240 | kg/m ³ | ISO 1183 |
| Density | 1240 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 100 - 110 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 240 - 270 | °C | - |
| Mold temperature | 50 - 80 | °C | - |
| Zone 1 | 230 - 260 | °C | - |
| Zone 2 | 240 - 270 | °C | - |
| Zone 3 | 240 - 270 | °C | - |
| Nozzle temperature | 245 - 265 | °C | - |
| Screw speed | 30 - 70 | rpm | - |
| Back pressure | 0.3 - 1 | MPa | - |

Characteristics

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Processing

Injection Molding

Applications

Electrical and Electronical

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

Asia Pacific

Chemical Resistance

General Chemical Resistance