

HAC8290NH

(PC+ABS)

Shanghai Kumho Sunny Plastics Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 45 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 10 | kg | - |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength | 65 | MPa | ASTM D 638 |
| Elongation at Break | 50 | % | ASTM D 638 |
| Flexural Modulus | 2550 | MPa | ASTM D 790 |
| Flexural Strength | 85 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 600 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 264 psi | 95 | °C | ASTM D 648 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | 1E15 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1190 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 85 - 95 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 240 - 280 | °C | - |
| Mold temperature | 50 - 80 | °C | - |
| Zone 1 | 220 - 240 | °C | - |
| Zone 2 | 230 - 250 | °C | - |
| Zone 3 | 250 - 270 | °C | - |
| Nozzle temperature | 240 - 260 | °C | - |
| Screw speed | 30 - 70 | rpm | - |
| Back pressure | 0.3 - 1 | MPa | - |

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine, Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat

Regional Availability

Asia Pacific