

HAB8710FR

(PBT+ABS)

Shanghai Kumho Sunny Plastics Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|--------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 40 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 5 | kg | - |
| Mold Shrinkage, MD | 0.0065 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength | 47 | MPa | ASTM D 638 |
| Elongation at Break | 40 | % | ASTM D 638 |
| Flexural Modulus | 1900 | MPa | ASTM D 790 |
| Flexural Strength | 62 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 85 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-2 | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 264 psi | 85 | °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 | 1180 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 90 - 100 | °C | - |
| Pre-drying - Time | 3 - 5 | h | - |
| Melt temperature | 220 - 250 | °C | - |
| Mold temperature | 50 - 80 | °C | - |

Characteristics**Special Characteristics**

Heat stabilized or stable to heat

Regional Availability

Asia Pacific

Applications

Automotive, IT / Business Machine, Electrical and Electronical