

**HU600**

ABS

Shanghai Kumho Sunny Plastics Co., Ltd.

| Processing/Physical Characteristics | Value      | Unit    | Test Standard   |
|-------------------------------------|------------|---------|-----------------|
| <b>ISO Data</b>                     |            |         |                 |
| Melt flow index, MFI                | <b>8</b>   | g/10min | ISO 1133        |
| Temperature                         | <b>220</b> | °C      | -               |
| Load                                | <b>10</b>  | kg      | -               |
| Molding shrinkage, parallel         | <b>0.6</b> | %       | ISO 294-4, 2577 |

| Mechanical properties               | Value        | Unit              | Test Standard |
|-------------------------------------|--------------|-------------------|---------------|
| <b>ISO Data</b>                     |              |                   |               |
| Yield stress                        | <b>43</b>    | MPa               | ISO 527       |
| Strain at break                     | <b>20</b>    | %                 | ISO 527       |
| Flexural modulus, 23°C              | <b>2200</b>  | MPa               | ISO 178       |
| Flexural strength                   | <b>64</b>    | MPa               | ISO 178       |
| Izod impact strength, +23°C         | <b>N</b>     | kJ/m <sup>2</sup> | ISO 180/1U    |
| Izod notched impact strength, +23°C | <b>13</b>    | kJ/m <sup>2</sup> | ISO 180/1A    |
| Izod notched impact strength        | <b>7</b>     | kJ/m <sup>2</sup> | ISO 180/1A    |
| Temperature                         | <b>-30</b>   | °C                | -             |
| Rockwell hardness                   | <b>R 108</b> | -                 | ISO 2039-2    |

| Thermal properties                       | Value      | Unit   | Test Standard        |
|--|------------|--------|----------------------|
| <b>ISO Data</b>                          |            |        |                      |
| Temp. of deflection under load, 1.80 MPa | <b>90</b>  | °C     | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa | <b>101</b> | °C     | ISO 75-1/-2          |
| Vicat softening temperature, B           | <b>106</b> | °C     | ISO 306              |
| Burning rate, FMVSS, Thickness 1 mm      | <b>80</b>  | mm/min | ISO 3795 (FMVSS 302) |

| Other properties | Value       | Unit              | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density          | <b>1060</b> | kg/m <sup>3</sup> | ISO 1183      |

| Processing Recommendation Injection Molding | Value            | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature                    | <b>85 - 95</b>   | °C   | -             |
| Pre-drying - Time                           | <b>3 - 4</b>     | h    | -             |
| Processing humidity                         | <b>≤0.05</b>     | %    | -             |
| Melt temperature                            | <b>240 - 260</b> | °C   | -             |
| Mold temperature                            | <b>50 - 80</b>   | °C   | -             |
| Zone 1                                      | <b>200 - 220</b> | °C   | -             |
| Zone 2                                      | <b>230 - 240</b> | °C   | -             |
| Zone 3                                      | <b>240 - 250</b> | °C   | -             |
| Nozzle temperature                          | <b>250 - 260</b> | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat