These PC/ABS grades are developed for automotive application.

### T-2700 series / T-2800 series

The standard grade series have superior properties in terms of heat resistance, impact resistance and weather resistance. In addition, they have superior heat resistance and high impact resistance at lower temperature, -30°C, than high heat ABS.

<table>
<thead>
<tr>
<th>Series</th>
<th>Grades</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-2700 series</td>
<td>T-2711J</td>
<td>Standard</td>
</tr>
<tr>
<td></td>
<td>T-2716</td>
<td>High flowability, High heat resistance</td>
</tr>
<tr>
<td></td>
<td>T-2754</td>
<td>High impact property, high heat resistance</td>
</tr>
<tr>
<td></td>
<td>T-2760B</td>
<td>High flowability, Low gloss</td>
</tr>
<tr>
<td>T-2800 series</td>
<td>T-2810R</td>
<td>High heat resistance</td>
</tr>
<tr>
<td></td>
<td>T-2830R</td>
<td>Standard</td>
</tr>
<tr>
<td></td>
<td>T-2850R</td>
<td>High flowability</td>
</tr>
</tbody>
</table>

### Plating type

The plating grades have superior properties in terms of heat resistance, impact resistance, fatigue property and dimensional stability. The material has been used for wide variety of plating application, such as outer/inner door handle, interior panel. Normal ABS metal plating process can be applied to the grades as well.

<table>
<thead>
<tr>
<th>Grades</th>
<th>Characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK-1000A</td>
<td>Standard</td>
</tr>
<tr>
<td>MK-2055</td>
<td>High flowability</td>
</tr>
</tbody>
</table>

### Glass reinforced type

The grades are glass reinforced PC/ABS polymer alloy. They have superior heat resistance, high rigidity and easy process ability, which are required for structural material.

<table>
<thead>
<tr>
<th>Grades</th>
<th>Characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-2010</td>
<td>GF10% reinforced</td>
</tr>
<tr>
<td>R-2020</td>
<td>GF20% reinforced</td>
</tr>
<tr>
<td>R-2030</td>
<td>GF30% reinforced</td>
</tr>
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</table>
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Normal ABS metal plating processes can be applied to the grades as well.

The standard grade series have superior properties in terms of heat resistance, impact resistance, and weather resistance. In addition, they have superior heat resistance and high impact resistance at lower temperatures, -30℃, than high heat ABS.

### Series Grades Characteristics

- **T-2711J**
  - Standard
  - Characteristics: High impact property, high heat resistance, high flowability

- **T-2716**
  - High flowability, high heat resistance

- **T-2754**
  - High impact property, high heat resistance

- **T-2760B**
  - Low gloss

- **T-2810R**
  - High heat resistance

- **T-2830R**
  - Standard

- **T-2850R**
  - High flowability

- **MK-1000A**
  - Standard

- **MK-2055**
  - High flowability

### Glass reinforced type Grades Characteristics

- **R-2010**
  - GF10% reinforced

- **R-2020**
  - GF20% reinforced

- **R-2030**
  - GF30% reinforced

**Impact strength**

- **Charpy notched**
  - T-2711J: 124 kJ/m²
  - T-2716: 128 kJ/m²
  - T-2754: 118 kJ/m²
  - T-2760B: 113 kJ/m²
  - T-2810R: 130 kJ/m²
  - T-2830R: 125 kJ/m²
  - T-2850R: 121 kJ/m²
  - MK-1000A: 125 kJ/m²
  - MK-2055: 85 kJ/m²
  - ABS: 115 kJ/m²
  - Modified PPE: 28 kJ/m²

**Heat resistance**

- **Load 0.45 MPa**
  - T-2711J: 124°C
  - T-2716: 128°C
  - T-2754: 118°C
  - T-2760B: 113°C
  - T-2810R: 130°C
  - T-2830R: 125°C
  - T-2850R: 121°C
  - MK-1000A: 125°C
  - MK-2055: 85°C
  - ABS: 115°C
  - Modified PPE: 28°C

**Flowability (Spiral flow length)**

- Molding machine: Sumitomo SG150U
- Injection pressure: 98.1 MPa
- Mold temperature: 70°C
- Flow path thickness: 2 mm
- Flow path width: 8 mm

**Flow path length (cm)**

- T-2760B: 55 cm
- T-2850: 50 cm
- T-2754: 45 cm
- T-2830: 40 cm
- T-2716: 35 cm
- T-2810: 30 cm
- T-2711J: 25 cm
- MK-2055: 20 cm
- MK-1000A: 15 cm