

# PC15007JBK

Polycarbonate/ABS Compound

**Special Characteristics:** PC15007JBK is a product of injection grade which is designed for mold in color visible applications. It also exhibits high impact as well as suitable for taillamp housing.

**Typical Applications:** Injection molded part for taillamp housing

**Color:** Black

**Typical Properties:**

Properties	PC15007JBK	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (260°C, 5 Kg)	15	g/10 min	ISO 1133
Density	1.14	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical Properties</b>			
Tensile Strength at Break	55	MPa	ISO 527
Elongation at Break	50	%	ISO 527
Tensile Modulus	2,400	MPa	ISO 527
Flexural Modulus	2,250	MPa	ISO 178
Notched Charpy Impact at 23°C	50	kJ/m <sup>2</sup>	ISO 179
Notched Charpy Impact at -40°C	25	kJ/m <sup>2</sup>	ISO 179
<b>Thermal Properties</b>			
Heat Deflection Temperature at 1.80 MPa	105	°C	ISO 75
Vicat Softening Point at 50 N	126	°C	ISO 75

### Recommendation:

For Injection Molding

- Drying conditions: 80°C at least 4 hrs before using
- Melt temperature: 210–250°C
- Mold temperature: 55–70°C
- Screw speed for screw diameter of 35 mm: 30–60 rpm
- Back pressure 10–15 MPa

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