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
Physical Properties			
Melt Flow Rate (260°C, 5 Kg)	15	g/10 min	ISO 1133
Density	1.14	g/cm^3	ISO 1183
Mechanical Properties			
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/m2	ISO 179
Notched Charpy Impact at -40°C	25	kJ/m2	ISO 179
Thermal Properties			
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