

# PC20006JGY

Polycarbonate/ABS Compound

**Special Characteristics :** PC20006JGY is a product of injection grade of grey coloring PC/ABS compound which is specially designed for good heat and high impact resistance. It also exhibits high ductility and tensile strength as well as suitable for outdoor applications.

**Typical Applications :** Injection molded part for outdoor uses

**Typical Properties :**

Properties	PC20006JGY	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (260°C, 5 kg)	16	g/10 min	ISO 1133
Density	1.13	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical Properties</b>			
Tensile Strength at Yield	52	MPa	ISO 527
Elongation at Break	50	%	ISO 527
Tensile Modulus	2,300	MPa	ISO 527
Flexural Strength	75	MPa	ISO 178
Flexural Modulus	2,300	MPa	ISO 178
Notched Charpy Impact Strength at 23°C	45	kJ/m <sup>2</sup>	ISO 179
Notched Charpy Impact Strength at -30°C	25	kJ/m <sup>2</sup>	ISO 179
<b>Thermal Properties</b>			
Heat Deflection Temperature at 0.45 MPa	119	°C	ISO 75
Heat Deflection Temperature at 1.80 MPa	102	°C	ISO 75
Vicat Softening Point at 50 N	120	°C	ISO 306

**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