

PP11001J

Polypropylene Compound

Special Characteristics: PP11001J is a product of injection grade of PP with UV additive compound which is specially designed for UV resistance. It also exhibits high ductility and tensile strength as well as suitable for automotive applications.

Typical Applications : Injection molded part for outdoor uses

Color Available: Natural (PP11001J), Grey (PP11001JGY)

Typical Properties :

Properties	PP11001J	Unit	Test Method
Physical Properties			
Melt Flow Rate (230°C, 2.16 kg)	11	g/10 min	ISO 1133
Density	0.91	g/cm ³	ISO 1183
Mechanical and Thermal Properties			
Tensile Strength	36	MPa	ISO 527
Flexural Modulus	1500	MPa	ISO 178
Notched Charpy Impact Strength at 23°C	3	kJ/m ²	ISO 179
Notched Izod Impact Strength at 23°C	3	kJ/m ²	ISO 180
Heat Deflection Temperature at 0.45 MPa (Unannealed)	100	°C	ASTM D648
Mold shrinkage			
Linear mold shrinkage (avg)	0.3 (± 0.1)	%	Internal Method

Recommendation :

For injection molding

- Melt temperature: 190–240°C*
- Mold temperature: 45–65°C

* However, the actual processing conditions depend on mold design, power of machine, equipment, and other environments.