PP25027JGY

Polypropylene Compound

Special Characteristics: PP25027JGY is a product of injection grade of PP 25% Talcum compound which is specially designed high flexural strength as well as suitable for automotive applications.

Typical Applications: Injection molded part.

Color: Grey(N755)

Typical Properties:

Properties	PP25027JGY	Unit	Test Method
Physical Properties			
Melt Flow Rate (230°C, 2.16 kg)	25	g/10 min	ISO 1133
Density	1.07	g/cm^3	ISO 1183
Mechanical and Thermal properties			
Tensile Strength at Yield	24	MPa	ISO 527
Elongation at Break	80	%	ISO 527
Flexural Strength	36	MPa	ISO 178
Flexural Modulus	2,700	MPa	ISO 178
Notched Izod Impact Strength at 23˚C	8	kJ/m^2	ISO 180
Heat Deflection Temperature at 0.45 MPa	115	˚C	ISO 75

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.