C1809PJ-02

Polypropylene Compound

Special Characteristics: C1809PJ-02 is polypropylene composite reinforced with 50% glass fiber for construction and electrical part component purposes.

Typical Applications: Injection molded part

Typical Properties:

Properties	C1809PJ-02	Unit	Test Method
Physical Properties			
Melt Flow Rate (230°C, 2.16 kg)	5	g/10 min	ASTM D1238
Density	1.33	g/cm^3	ASTM D792
Mold Shrinkage	0.2-0.4	%	Internal Method
Mechanical Properties			
Tensile Strength	120	MPa	ASTM D638
Elongation	2	%	ASTM D638
Flexural Modulus	12,000	MPa	ASTM D790
Notched Izod Impact Strength	100	J/m	ASTM D256
Rockwell Hardness	R107	Scale	ASTM D785
Thermal Properties			
Vicat Softening Point	153	°C	ASTM D648
Heat Deflection Temperature	148	°C	ASTM D1525

Recommendation:
Drying condition before use: 80 °C for 3 hours
Barrel injection temperature: 190-230 °C
Nozzle temperature: 210-230 °C
Mold temperature: 40-60 °C

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