

# 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
<b>Physical Properties</b>			
Melt Flow Rate (230°C, 2.16 kg)	5	g/10 min	ASTM D1238
Density	1.33	g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage	0.2-0.4	%	Internal Method
<b>Mechanical Properties</b>			
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
<b>Thermal Properties</b>			
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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