

## C1801EJ-02

High Density Polyethylene Compound

**Special Characteristics:** C1801EJ-02 is high density polyethylene compound which is designed for injection application requiring high impact strength and balance flexural modulus.

**Color:** General Black

**Typical Applications:** Injection molding parts, automotive parts and general parts

**Typical Properties:**

Properties	C1801EJ-02	Unit	Test Method
Physical Properties			
Melt Flow Rate (190°C, 2.16 kg)	3	g/10 min	ISO 1133
Density	0.94	g/cm3	ISO 1183
Mechanical Properties			
Tensile Modulus	950	MPa	ISO 527
Tensile Strength	25	MPa	ISO 527
Elongation at Break	600	%	ISO 527
Flexural Modulus	1,000	MPa	ISO 178
Notched Charpy Impact Strength at 23°C	7	kJ/m2	ISO 179
Thermal Properties			
Heat Deflection Temperature at 0.45 MPa	58	°C	ISO 75

### Recommendation:

For injection molding

- Drying condition: No
- Injection molding temperature: 170-200°C
- Mold temperature: 50-60°C
- Screw speed: 30-60 rpm

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**Note :** Properties reported here are typical values of the product, not to be considered as specifications.

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