

C1801EJ-02

- High density polyethylene black color
- General purpose injection molding grades

Product Description

C1801EJ-01 is High density polyethylene which is designed for injection application requiring *high impact strength and balance flexural modulus*.

C1801EJ-01 is available in black color shade.

Applications

- Injection parts
Auto part and General part

Delivery form

The products are supplied as cylindrically cut granules in 25 kg paper bag with PE plastic bag inside.

Storage Condition

- Avoid direct sunlight
- Keep in dry condition
- Keep sealed when not in use

Product Specification

Properties	Unit	Value	Standard
MFR (190°C,2.16 Kg)	g/10min	3.2	ISO 1133
Density	g/cm ³	0.94	ISO 1183
Tensile modulus	Mpa	950	ISO 527
Tensile strength	Mpa	25	ISO 527
Elongation at break	%	590	ISO 527
Flexural modulus	Mpa	>1000	ISO 178
Charpy Impact, Notched @ 23 °C	KJ/m ²	6.5	ISO 179
HDT (1.8Mpa)	°C	48	ISO 75
HDT (0.45Mpa)	°C	58	ISO 75

The properties shown above are portrayed as general information only. All information given by us is based upon our laboratories testing. It is intended for use by persons having technical skill at their own discretion and risk. We disclaim any liability in connection with the use of the information in this datasheet.

C1801EJ-02**Recommendation**

Barrel injection temperature: 170 - 190 °C

Nozzle temperature: 185 - 200 °C

Mould temperature: 50-60 °C

Storage Condition: Avoid direct sunlight / Keep in dry condition / Keep sealed when not in use

Processing guideline: For injection moulding

Drying conditions: No

Melt temperature: 170 – 190 °C

Mold temperature: 50-60 °C

Screw speed for screw diameter of 35 mm:
30-60 rpm

Under the recommendation processing conditions may be given off during processing

Restriction on use

- Do not use without advised use

Note: Properties reported here are typical values of the product, not to be considered as specifications. Solution Creation Co., Ltd. makes no representations as to the accuracy or completeness of the information