

# PL03404J

Bioplastic compound resin

**Special Characteristics :** PL03404J is bioplastic compound designed for injection molding equipped with hot-molding unit applications. It is designed to crystallize during processing, leading to higher heat deflection temperatures in opaque applications.

**Typical Applications :** The variety of applications include disposables such as cutlery, cups, and plates cosmetic packaging.

**Typical Properties :**

Properties	PL03404J	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate 190°C; 2.16kg	3.4	g/10 min	ASTM D1238
Density	1.31	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical Properties (Injection Specimens)</b>			
Tensile Strength at break	60	MPa	ASTM D638
Izod (Notched) Impact Strength	40	J/m	ASTM D256
Flexural Modulus	5500	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
<b>Thermal Properties (Injection Specimens)</b>			
Heat Defection Temperature	130	°C	ASTM D648
Vicat Softening Point	160	°C	ASTM D1525

**Recommendation :**

Extruder temperature: 200-210 °C

Nozzle temperature : 200-210 °C

Mold temperature : 90-100 °C

**FDA Statement :**

Food and Drug Administration US FDA 21 CFR 177.1520. More compliance regulations and standards that related to the product shall contact in details.

**Compostable Statement :**

The raw materials for manufacturing which are certified to European Compost Standard EN13432 : 2000, requirements for packaging recoverable through composting and biodegradation.