

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
Physical Properties			
Melt Flow Rate 190°C; 2.16kg	3.4	g/10 min	ASTM D1238
Density	1.31	g/cm ³	ASTM D792
Mechanical Properties (Injection Specimens)			
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
Thermal Properties (Injection Specimens)			
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.

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

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