

PL34002J

Bioplastic compound resin

Special Characteristics : PlastMate PL34002J is an industrial compostable bioplastic compound which is designed as easy flow for injection molding applications.

Typical Applications : PlastMate PL34002J is recommended for producing the cutlery and food service ware products.

Typical Properties :

Properties	PL34002J	Unit	Test Method
Physical Properties			
Melt Flow Rate (190°C , 2.16 Kg)	30	g/10min	ASTM D1238
Melt Flow Rate (210°C , 2.16 Kg)	70	g/10min	ASTM D1238
Density	1.26	g/cm3	ASTM D792
Mechanical Properties (Injection specimens)			
Tensile Strength	40	MPa	ASTM D638
Notched Izod Impact Strength	70	J/m	ASTM D256
Flexural Modulus	20,000	Kg/cm2	ASTM D790
Thermal Properties (Injection specimens)			
Heat Deflection Temperature	55	°C	ASTM D648

Recommendation:

Nozzle temperature: 180–200°C

Extruder temperature: 160–195°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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