

Product Description

Natur-Tec® BM201T is a biobased and biodegradable polymer resin compound and is designed to replace conventional plastic materials for injection molded plastic applications. Natur-Tec® BM201T is manufactured using sustainable and renewable resources, per the ASTM D6866 standard, which allows industry and consumers the opportunity to reduce or neutralize their carbon footprint. Natur-Tec® resins are engineered for high performance and can easily be processed on conventional manufacturing equipment. Natur-Tec® BM201T is designed to meet the requirements of international standards for compostable plastics such as ASTM D6400 (U.S.). Please refer to the Material Safety Data Sheet and the Processing Guide for specific handling and processing instructions.

Applications

Natur-Tec® BM201T can be used for injection molded plastic applications such as cutlery, hangers, containers and packaging.

Properties

Physical Properties			
Property	Unit	Test Method	Value
Specific Gravity	gm/cm ³	ASTM D792	1.4 – 1.5
Melt Flow Rate MFR 230°C, 2.16 kg	gm/10 min	ASTM D1238	2.5 – 6
Renewable (Bio) Content	%	ASTM D6866	51 – 54
Molding Shrinkage	%	ASTM D955	0.3 – 0.4
Melting Point	°C	ASTM D3418	180 – 250
Mechanical Properties			
Property	Unit	Test Method	Value
Tensile Strength	MPa	ASTM D638	45 – 50
Elongation	%	ASTM D638	1.5 – 2.5
Flexural Strength	MPa	ASTM D790	45 – 60
Notched Impact Strength	J/m	ASTM D256	31 – 38
Thermal Properties			
Property	Unit	Test Method	Value
Heat Deflection Temperature	°C	ASTM D648	80 – 90
Crystallization Temperature	°C	ASTM D3418	156 – 160

Note:

The property values listed above are calculated under standard temperature and humidity conditions. These property values should be viewed as guidelines only, and may vary based on processing conditions. No warranties of any kind, either expressed or implied are made regarding products described or regarding designs, data or information set forth.

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