

## Product Description

Natur-Tec® BF3002 is a biobased and biodegradable polymer resin compound and is designed to replace conventional plastic materials for injection molded plastic applications. Natur-Tec® BF3002 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® BF3002 (or BF703B-X, X > 80) is designed to meet requirements of international standards for compostable plastics such as ASTM D6400 (U.S.) and EN13432. Please refer to the Material Safety Data Sheet and the Processing Guide for specific handling and processing instructions.

## Applications

Natur-Tec® BF3002 can be used for injection molded plastic applications such as making cutlery, pens, hangers, containers and packaging.

## Properties

Physical Properties			
Property	Unit	Test Method	Value
Specific Gravity	gm/cm <sup>3</sup>	ASTM D792	1.3-1.4
Melt Flow Rate MFR 190°C, 2.16 kg	gm/10 min	ASTM D1238	7-9
Renewable (Bio) Content	%	ASTM D6866	91
Molding Shrinkage	%	ASTM D955	0.09
Mechanical Properties			
Property	Unit	Test Method	Value
Tensile Strength	MPa	ASTM D638	46.3
Elongation	%	ASTM D638	5.8
Flexural Strength	MPa	ASTM D790	70.2
Notched Impact Strength	J/m	ASTM D256	35.7
Thermal Properties			
Property	Unit	Test Method	Value
Heat Deflection Temperature	°C	ASTM D648	57

### 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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