

Natur-Tec® BF3002

Biodegradable Polymers

Natur-Tec - Northern Technologies International Corp

Message:

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.

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

General Information			
Features	Comstable		
	Updatable resources		
	Workability, good		
	Biodegradable		
Uses	Packaging		
	Container		
	Consumer goods application field		
Agency Ratings	ASTM D 6400		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30 - 1.40	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0 - 9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.090	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	46.3	MPa	ASTM D638
Tensile Elongation (Break)	5.8	%	ASTM D638
Flexural Strength	70.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	36	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	57	°C	ASTM D648
Renewable Content - (Bio)	91	%	ASTM D6866

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