Natur-Tec® BF703B

Biodegradable Polymers

Natur-Tec - Northern Technologies International Corp

Message:

Natur-Tec ® BF703B is a fully biodegradable/compostable biopolymer resin designed specifically for flexible film applications. Natur-Tec resins are fully certified to the stringent requirements of international standards for compostable plastics, such as ASTM D6400, EN 13432 and ISO 17088, and therefore provide an environmentally friendly alternative to conventional plastics.
The Natur-Tec BF703B resin is engineered for high performance and can be easily processed on standard extrusion equipment. Natur-Tec films are strong and tough with excellent heat seal strength, and provide excellent printability. For applications where high barrier properties are required, Natur-Tec films can be easily combined with other substrates in a laminate structure to achieve the desired properties.
Applications:
Compostable Trash/Garbage Bags
Carry-out Bags
Agricultural Mulch Film
Films for Food Service and Consumer Packaging
Heat sealant layer for Laminate Packaging structures

General Information			
Features	Biodegradable Compostable Excellent Printability Good Flexibility Good Heat Seal Good Processability Good Strength Good Toughness Renewable Resource Content		
Uses	Agricultural Applications Bags Compostable Products Consumer Applications Packaging		
Agency Ratings	ASTM D 6400		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.35	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0 to 6.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D882
MD : Yield,25 µm	25.0	MPa	
TD : Yield,25 µm	23.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 µm	430	%	
TD : Break, 25 µm	570	%	
Dart Drop Impact (25 µm)	150	g	ASTM D1709
Oxygen Transmission Rate (25 µm)	1100	$cm^3/m^2/24$ hr	ASTM D3985
Water Vapor Transmission	370	$g/m^2/24$ hr	ASTM E398-03
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	110 to 120	°C	ASTM D3418

Recommended distributors for this material

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