

BF7003 Film

Compostable Film for Packaging and Sealant Layers

Product Description

Natur-Tec® BF7003 is a high-performance, biobased, and compostable blown film designed specifically for flexible packaging applications. BF7003 meets the requirements of international standards for compostable plastics such as ASTM D6400 (U.S.), EN13432, and ISO 17088.

Product Features

- Engineered for high performance and designed for lamination as a sealant layer to a variety of substrates such as paper and other compostable films
- Allows for crisp and clear printability when used as a stand-alone film for packaging applications
- Can easily process on conventional manufacturing equipment
- Durable and strong, affording excellent heat-seal strength, and a broad seal window
- Certified compostable by the BPI up to 120µm (4.7mils) and TÜV Austria up to 60µm (2.4mils)

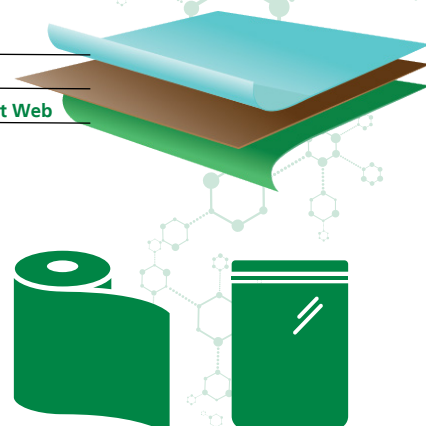
Applications

Natur-Tec® BF7003 is used as a sealant layer in multi-layer structures and is used as primary packaging film for compostable products (cutlery, straws, etc.). It is also used in secondary and tertiary consumer packaging applications and is sustainable alternative to PE and BOPP films.

Print Layer

Barrier Layer

Natur-Tec® BF7003 Sealant Web



BF7003 Technical Data

Property	Unit		Test Method	Typical Values
Thickness	micron			25
Yield	m²/kg			31.7
Tensile Strength at Break	MPa	MD	ASTM D882	40-45
		TD		30-35
Elongation at Break	%	MD	ASTM D882	80-170
		TD		450-500
COF, Kinetic (Film to Film)	-		ASTM D1894	0.29
Opacity	%		IS 12235	21
Max Seal Strength	g/25mm			1938
Seal Initiation Temp, >500 g/in	°C	2 bar, 1 sec	ASTM F88/F88M	91
Seal Window, >500 g/in				91-113
OTR	(cc / [m² · day])		ASTM D3985-02	811
WVTR	gm/m²/day		ASTM F1249-01	559
Haze	%		ASTM D1003	15-18%

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.

Certifications



Food Contact

Natur-Tec® BF7003 film is compliant with food contact regulations (EC) 1935/2004, (EU) 10/2011, and its amendments through (EU) 2019/37. Specific documents available upon request.

Shelf Life

Shelf life is minimum 6 months from the date of manufacturing, subject to proper storage and handling conditions.

Storage and Handling: For optimum performance and product life, store in a cool dry place out of direct sunlight. Refer to the Safety Data Sheet and the Processing Guide for specific handling and processing instructions.