

EcoHumer BFX103

Polybutylene Adipate-Co-Terephthalate

WooSung Chemical Co., Ltd.

Message:

BFX103 is biodegradable compound for blown film. The base material of BFX103 is PBAT(Polybutylene-adipate-co-terephthalate). The film made by BFX103 will be softer than the PLA-based film, and it will have good mechanical properties - Elongation and Tear Strength. In addition, BFX103 can be formed into film easily and it will have good blocking property.

General Information			
Features	Good tear strength		
	Biodegradable		
Uses	Blown Film		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	1.24 - 1.26	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 - 40	g/10 min	ASTM D1238
Water content-105°C/10min		ppm	Internal method
Heat Seal Strength ¹ (30.0 µm)	14	N	Internal method
Tear strength-1mm notch ² (30.0 µm)	88.2	kN/m	Internal method
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD (yield, 30 µm, blown film)	34.6	MPa	Internal method
Tensile Elongation - MD (Broken, 30 µm, blown film)	430	%	Internal method
NOTE			
1.	Blown Film		
2.	Blown Film		

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