

Terraloy™ BP-20001A

Teknor Apex Company - Thermoplastic Starch + Copolyester

Friday, June 30, 2017

General Information

Product Description

Terraloy BP-20001A is a Thermoplastics Starch/Biodegradable Copolyester ready-to-process compound that contains up to 40% of TPS renewable content and is 100% biodegradable. This compound is for blown film application as well as injection molded parts.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Biodegradable	• Renewable Resource Content	
Forms	• Pellets		
Processing Method	• Blown Film	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27		ASTM D792
Biobased Content	< 40.0		

Films	Nominal Value	Unit	Test Method
Secant Modulus - MD	12500	psi	ASTM D882
Secant Modulus - TD	11900	psi	ASTM D882
Tensile Strength - MD (Break)	3770	psi	ASTM D882
Tensile Strength - TD (Break)	2940	psi	ASTM D882
Tensile Elongation - MD (Break)	520	%	ASTM D882
Tensile Elongation - TD (Break)	500	%	ASTM D882
Dart Drop Impact	290	g	ASTM D1709
Elmendorf Tear Strength - MD	300	g	ASTM D1922
Elmendorf Tear Strength - TD	380	g	ASTM D1922
Oxygen Transmission Rate	26	cm ³ /100 in ² /24 hr	ASTM D3985

Notes

¹ Typical properties: these are not to be construed as specifications.

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