



Terraloy® BP-10000A

Teknor Apex Company - Thermoplastic Starch + LLDPE

General Information

Product Description

Terraloy BP-10001A is a Thermoplastics Starch/LLDPE ready-to-process compound that contains up to 30% of TPS renewable content. This compound is for blown film application.

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.01		ASTM D792
Biobased Carbon Content	< 30	%	
Films	Nominal Value	Unit	Test Method
Secant Modulus - MD	28000	psi	ASTM D882
Secant Modulus - TD	41800	psi	ASTM D882
Tensile Strength - MD (Break)	7690	psi	ASTM D882
Tensile Strength - TD (Break)	4480	psi	ASTM D882
Tensile Elongation - MD (Break)	480	%	ASTM D882
Tensile Elongation - TD (Break)	680	%	ASTM D882
Dart Drop Impact	450	g	ASTM D1709
Elmendorf Tear Strength - MD	320	g	ASTM D1922
Elmendorf Tear Strength - TD	620	g	ASTM D1922
Oxygen Transmission Rate	460	cm ³ /100 in ² /24 hr	ASTM D3985
Water Vapor Transmission	0.58	g/100 in ² /24 hr	Internal Method

Notes

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