

## Teknor Apex Terraloy™ BP 1000A Thermoplastic Starch + LLDPE

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

### Material Notes:

Notes: Terraloy™ BP-10001A is a Thermoplastic Starch/LLDPE ready-to-process compound that contains up to 30% of TPS renewable content. This compound is for blown film application. Forms: Pellets Additional Information: Biobased Content: < 30.0 Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Terraloy-BP-10000A-Thermoplastic-Starch-LLDPE.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Terraloy-BP-10000A-Thermoplastic-Starch-LLDPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Water Vapor Transmission	9.00 g/m <sup>2</sup> /day	0.580 g/100 in <sup>2</sup> /day	
Oxygen Transmission Rate	7140 cc/m <sup>2</sup> /day	460 cc/100 in <sup>2</sup> /day	ASTM D1922

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	480 %	480 %	ASTM D882
Film Elongation at Break, TD	680 %	680 %	ASTM D882
Secant Modulus	0.193 GPa	28.0 ksi	MD; ASTM D882
	0.288 GPa	41.8 ksi	TD; ASTM D882
Elmendorf Tear Strength MD	320 g	320 g	ASTM D1922
Elmendorf Tear Strength TD	620 g	620 g	ASTM D1922
Dart Drop Test	450 g	0.992 lb	ASTM D1709
Film Tensile Strength at Break, MD	53.0 MPa	7690 psi	ASTM D882
Film Tensile Strength at Break, TD	30.9 MPa	4480 psi	ASTM D882

## Contact Songhan Plastic Technology Co.,Ltd.

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