

# POLYETHYLENE – BIO-BASED WICKETED BAG MADE WITH NUPLASTIQ® BIOPOLYMER



## BENEFITS

- BiologiQ NuPlasticQ® thermoplastic starch is a renewably sourced, plant-based resin
- Supports sustainability goals for reduced fossil fuel usage and carbon emissions (GHGe)
- Maintains performance and works with existing machinery and printers

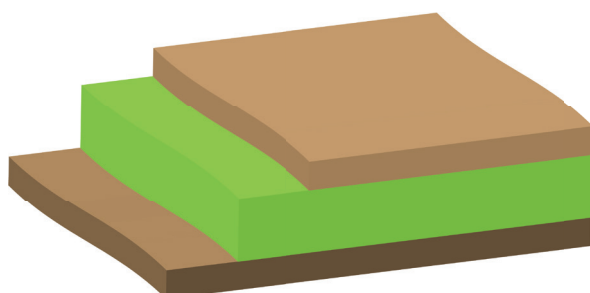
## MARKET APPLICATIONS

- Bakery
- Fresh Produce
- Frozen Foods
- Snack Foods

## PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD/ REFERENCE
Gauge	1.2 mils	ASTM F2251
Basis Weight	18.5 lbs/ream	ASTM D646
Heat Seal	Fusion g/in	240F, 40 psi, 0.5 sec
Haze	<12%	ASTM D3985
COF	0.1 Inside/Inside	ASTM D1894

## STRUCTURE



Printable PE Skin Layer  
PE/BioPolymer Blended Core  
PE Skin Layer

## PRODUCT DESCRIPTION

This pre-made, wicketed bag is made with a film comprised of polyethylene and a bio-based thermoplastic starch resin from BiologiQ called NuPlastiQ® BioPolymer, a 100% natural, renewably sourced, plant-based resin. Additionally, an Eco-Lok™ by KwikLok® bag closure can be used to replace a standard bag closure. The Eco-Lok™ bag closure, also made with the the NuPlastiQ® BioPolymer, is 100% reusable.

## PACKAGING FORMATS

- Pre-made bags
- VFFS flexible packaging

