

TERRIAN™ TP-10 Pouch/Compostable Materials

A sustainable package utilizing certified ASTM D6400 compostable materials.

Consumers are naturally concerned about the environmental effects of packaging, but packaging provides the valuable functions of protection, containment, and convenience. Well designed packaging takes into account the overall lifecycle impact including avoiding waste of the product itself. A sustainable package could be defined as one with the lowest environmental impact that still provides the functionality and performance required to market the product within.

With our TERRAIN™ family of products you now have the ability to provide a brandable, sustainable packaging solution while protecting your product within. Made from all certified compostable materials, the cellulose-based films are sourced from sustainable wood pulp harvested from managed plantations. The sealant layer and zipper are patented bio-materials which function like conventional materials while certified compostable.

The TERRAIN pouch is built on the pillars of a circular economy: designed to eliminate waste, sourced from sustainable resources, produced with limited use of energy and chemicals while individually certified as compostable to ASTM D6400 standards.

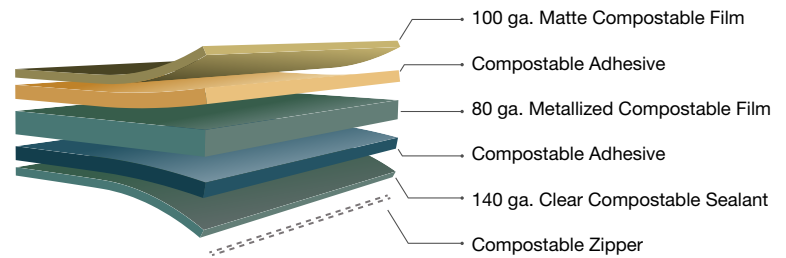


This structure is BPA free, and fully compliant with the FDA direct food contact and OSHA Hazardous materials regulations; California's Toxics in Packaging Laws, and California's Proposition 65 Safe Drinking Water and Toxic Enforcement Act.

The materials and equipment Label Technology utilizes for printing of this package are inherently sustainable: renewable water-based inks, solvent free adhesives and a process that avoids expending greenhouse gas emissions.

This information represents the typical values for this material. It is not intended to be used for certification standards, specification limits, or other finite acceptable or rejectable criteria. Customers must determine the product's suitability for the intended applications and should consider the fact that the property values will vary within reasonable tolerances, and that some of the material properties may change due to secondary converting operations, temperature, and age.

Structure



Key Performance Characteristics

- Excellent High Seal Strength
- Excellent Oxygen and Very Good Moisture Barrier
- Excellent for Coffee, Tea, Nuts, Nutritional Snack, Food & Non-food Products
- Very Good Machinability, Seal Strength, and Filling Line Performance

Typical Properties

- Thickness: 68 lbs./ream
- Yield: 6,328 sq. in./lb.
- Thickness: 0.00340 inches
- Heat Seal Strength: >3,000 grams/inch
- Coefficient of Friction: 0.40 kinetic - seal side
- Water Vapor Transmission (WVTR): <0.65 grams/100 sq. in.
- Oxygen Transmission (OTR): <0.03 cc/100 sq. in.