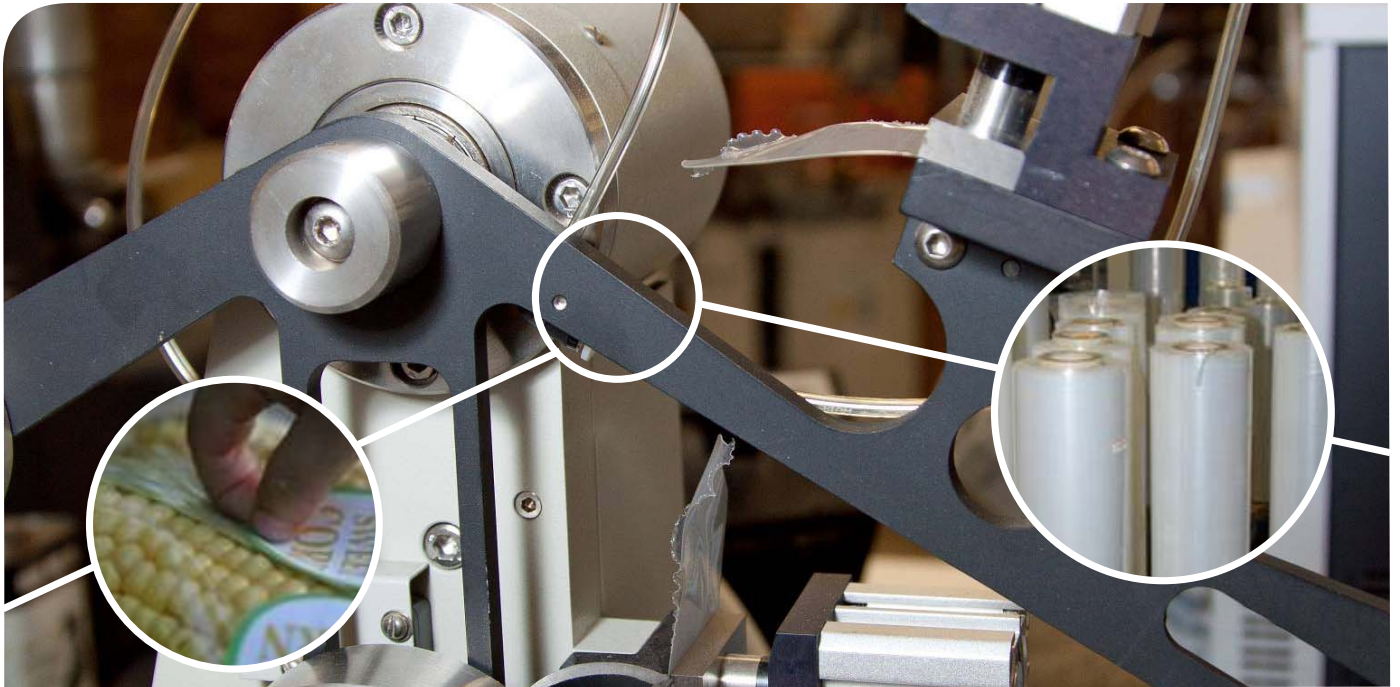


# Flexible Packaging Materials

**Intertek**

Valued Quality. Delivered.

Exclusive testing from Intertek's  
Pittsfield, MA Center of Excellence



Leaders within the film and polymer Packaging Industry rely on independent data generated by Intertek's material testing experts in order to better understand packaging material science.

Intertek customers see the benefits of our expertise in testing film and polymer packaging; understand physical and mechanical properties, gain a greater understanding of barrier properties, maximize use of renewable or recyclable materials, and meet health requirements throughout your product's lifecycle.

Intertek's advanced testing solutions for flexible packaging materials support these industries and more:

- Medical Device
- Pharmaceutical
- Food & Drink
- Cosmetic
- Industrial Packaging

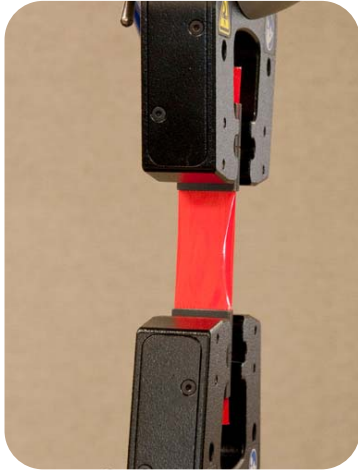
Our customers are challenged to cope with shifting national and international regulations, as well as high demand for convenience and sustainability. We can help you select the right materials, and verify compliance to industry regulations – all combined in one cost-effective solution.

## Intertek Global Solutions

Across our global network of testing labs serving a wide range of industries, we can help your business by delivering Processing, Regulatory Support, Surface Properties & Analysis, and Failure Analysis/Problem Solving support. Contact us today at 413-499-0983.



Valued Quality. Delivered.



## Material Characterization

### Barrier Testing (*NEW!*)

Better understand adsorption, dissolution, diffusion, and desorption of materials to maximize preservation effect and prolong storage periods of your products.

- Oxygen Barrier Resistance (ASTM D3985, ISO 15105-2)
- Water Vapor Transmission (ASTM F1249, ISO 15106-2)
- Water Vapor Transmission - cup method (ASTM E96)

### Durability

Assess the ability of film and packaging materials to withstand wear, pressure and damage.

- Impact Resistance (ASTM D7192, ISO 7765 ASTM D1709)
- Flexible Durability - Gelbo (ASTM F392)
- Puncture Resistance (ASTM D1709, ISO 7765, ASTM F1306)
- Tear (ASTM D1922, ISO 6383, ASTM D1938, ASTM D1004)
- Tensile (ASTM D882, ISO 527)
- Bond Strength (ASTM F904)
- Peel (ASTM D3330)

### Environmental Simulation

Understand exposure to end-use or storage environments with state of the art equipment to **Global Solutions**

**Processing:** Manufacturing services and consultancy for processability, classification, prototype, test-bar production including Blown Film Extrusion, Cast Film Extrusion and Extrusion Coating.

**Regulatory Support:** Intertek offers extensive material regulatory support where compliance with polymer definitions, food contact regulations, drug packaging requirements, and import regulations are crucial.

### Package Integrity & Seal Strength

Evaluate the optimum combination between seal time and seal quality in relation to production time of packages.

#### *Package Integrity*

- Seal Integrity (ASTM F1929)
- Package Burst/Creep (ASTM F1140, ASTM F2054, ASTM F2096)

#### *Seal Strength*

- Seal Strength - Peel (ASTM F88)
- Restrained Burst - Hot Tack (ASTM D1921, ASTM F2029)

### Visibility & Appearance

Optical property evaluations at Intertek evaluate product consistency.

- Color (ASTM E308)
- Haze (ASTM D1003)
- Gloss (ASTM D2457)

### Failure Analysis / Problem Solving

Intertek's investigative success is based on comprehensive knowledge of raw material production processes, packaging conversion technology, extrusion processes, and end-user applications that vary from simple packaging films to multilayer functionality.

**Surface Properties & Analysis:** Surface Properties and Analysis: Examining material surfaces provides key information to compatibility, chemical changes, contamination, migration, laydown of layers, wettability, tribology, adhesion and degradation.

## Intertek

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To find an office or laboratory in a particular country, please visit [www.intertek.com/contact](http://www.intertek.com/contact).