A World of Solutions
See the World Differently.
Here’s what you know about traditional Polyethylene.

**It’s hazy.**
Clouding your printed material.

**It’s soft.**
Making it easy to leave indentations.

**It’s less tough.**
Leaving your products more vulnerable to impact.

**It’s high-tear resistant.**
Making your products difficult to open.
Now Meet
Dow’s Biaxially Oriented Polyethylene
TF-BOPE Resin:
INNATE™ XUS 59910.08
Polyethylene Redefined

Dazzling
Shine that gives your product mass appeal.

![Graph showing low haze and high gloss values](chart)

Durable
Safeguard your product from impact with a higher resistance.

![Graph showing high impact resistance and puncture force values](chart)

Impressive
Twice the stiffness with excellent color registration.

![Graph showing high modulus values](chart)

Friendly
Easy to tear and easy to recycle with a full PE structure.

![Graph showing low tear resistance values](chart)

Secure
Use as a sealant layer to protect packaging integrity and prevent product leakage.

![Graph showing secure tear values](chart)

Legend:
- TF-BOPE 40 μm
- Blown PE 90 μm

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**Legend: 2X Impact Resistance**
- Dart Impact (A)(g)

**Legend: 2.5X Puncture Force**
- Puncture Force (N)

**Legend: 2% Sec. Modulus (MD)**
- Modulus (MPa)

**Legend: 2% Sec. Modulus (TD)**
- Modulus (MPa)

**Legend: Elmendorf Tear (MD)**
- Elmendorf Tear (g)

**Legend: Elmendorf Tear (TD)**
- Elmendorf Tear (g)
After decades of participation in the orientation film market, Dow has produced the TF-BOPE resin (1.7g/10min MI; 0.926 g/cm³ density) – a unique molecular architecture based on Dow’s proprietary Solution process.

The polyethylene film comprises a stable 5×9 orientation made on an industrial scale BOPP line with a broad operation window, giving it outstanding physical properties and a narrow gauge variation so that your products get improved stiffness, toughness, optical properties and low temperature resistance.

**TF-BOPE: The Optimal Performer**

TF-BOPE demonstrates the most balanced performance combination.
Create New Possibilities for You, Your Brand and Your Products

Polymer Substitution
BOPA, BOPP or BOPET replacement with easy handling and cost optimization.

A Fully Recyclable Structure
BOPE/PE lamination with excellent appearance.

Better Protection
BOPA/BOPE lamination with high puncture resistance.

Convenience of Usage
BOPET/BOPE easy-to-tear lamination.
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c. use as a critical component in medical devices that support or sustain human life; or

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