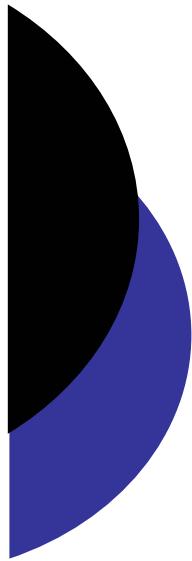


High Barrier Sealant Film



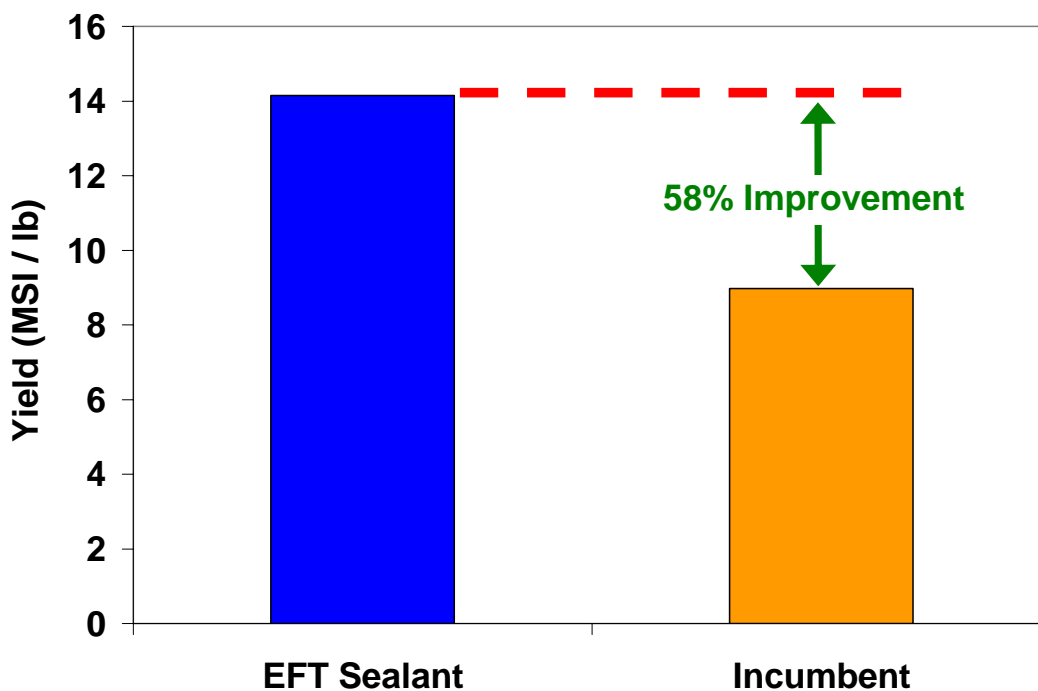
4434 Muhlhauser Road
Suite 200
Hamilton, Ohio 45011
877.275.4800 toll free
513.942.2900 office
513.942.1444 fax
www.eclipsefilmtech.com



Eclipse high barrier sealant films are used to optimize product shelf life, downgauge and lower packaging costs.

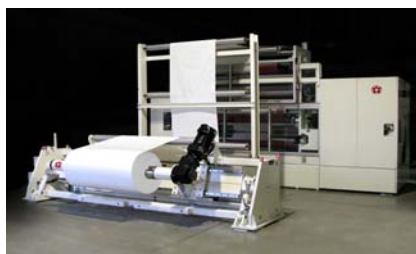
Stiffness, oxygen and moisture barrier are significantly improved relative to standard blown and cast films.

Eclipse high barrier sealant films improve sustainability and reduce overall packaging costs.



Utilizing an Eclipse High Barrier Sealant:

- Greatly improves overall packaging economics
- Increases operational efficiencies
- Reduces scrap
- Improves raw material sourcing, storage and logistics
- Improves time to market
- Enhances environmental friendliness



High Barrier Lamination Replacement Advantages:

- Excellent barrier without undesirable coatings
- Makes downgauging a reality
- Improved yield (MSI/lb)
- Sealable and printable
- Improves sustainability and source reduction
- Process elimination and logistical cost savings

| Technical Data | Eclipse MDO Barrier Sealant | Standard 3.0 mil EVOH Sealant |
|---------------------------------------|-----------------------------|-------------------------------|
| Gauge (mils) | 2.0 | 3.0 |
| Modulus (psi) | 275,000 | 75,000 |
| OTR (cc/100 in ² *day*atm) | 0.028 | 0.15 |
| WVTR (g/100 in ² *day*atm) | 0.13 | 0.28 |
| 45° Gloss | 65 | 50 |
| Haze | 13 | 16 |
| Seal Temperature (°F) | 245 | 245 |