FASTELFOIL PE 250

Product Data Sheet

P/N: PE-AL (polyethylene)

FASTELFOIL PE250 Product Description

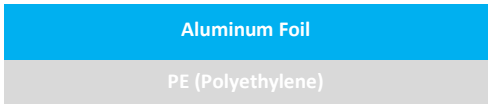
FastelFoil PE250 is a heat sealable aluminum foil designed for direct heat sealing or induction sealing to polyethylene based cartridges, trays, chambers or tubes made from LDPE or HDPE . The PE250 seal composition is a polyethylene seal lamination designed to weld quickly and securely to polyethylene or polyethylene-based surfaces using direct heat sealing or induction sealing methods. Due to its inert polyethylene barefoot polymer design, FastelFoil PE250 an ideal candidate for medical device diagnostic applications that require a secure weld type seal to PE based container structures. FastelFoil PE250 can be delivered in custom defined rolls, die cut individuals, die cut sheet arrays or die cut continuous reel formats.

Product Features
Excellent sealing to LDPE | HDPE
Puncture or peel foil configurations available
Inert PE seal layer design
Controllable Flow Upon Heating

Popular Sealing Surfaces
LDPE (low density PE)
HDPE (high density PE)
PE based polymer surfaces

FastelFoil PE250 Construction / Format

Seal Base Coating:	Polyethylene
Seal Thickness:	1 Mil, 2 Mil, 3 Mil
Seal Color:	Hazy White
Aluminum Thickness:	0.5 mil, 1 mil, 1.5 mil, 2 mil, 3 mil See Note 1
Delivery Formats:	Master or Slit Rolls / Die Cuts
Lamination Options:	PET Film, C1S Paper Backing Lamination
Printing Options:	2 Color, Flexographic, Repeat, Registration Direct to foil or top side laminate
Fastel Rolls or Die Cuts:	Customer defined roll width Individual die cut pieces Multiple die cuts per card Continuous die cut rolls



Note 1: standard product that uses aluminum 0.5 mil or 1 mil substrate is type ALH (hard temper). Standard product that utilizes 1.5 mil, 2 mil is type AL (soft temper). Soft temper 0.5 mil or 1 mil aluminum substrate available upon request.

Note 2: due to PE250 manufacturing process, PE250 seal layer may appear with typical streaks and does not impact seal performance.

General Direct Heat Press Sealing Recommendations

Full Bond / Sealing Temperature:	~270F – 330F (~132C to 165C) (see note 3)
	10 - 50 PSI+
	3 to 20 seconds+ (dependent on temperature and pressure)
Typical Heating Device:	Heat Press

Note 3: listed are general direct heat-sealing parameters only. The above should be used as a general guideline and basis of expanded customer DOE (design of experiment) testing within the scope of their equipment, flatness conditions, container geometry, size and application requirements. Thermally conductive conformal pad can be considered for additional conformability characteristics during heat sealing.

Induction Sealing Recommendations

Induction Setting:	100% Power (see note 4)
Induction Parameters:	5 - 50 PSI+
	0.3 to 1 second
Typical Heating Devices:	Induction Sealer

Note 4: listed are general induction sealing parameters only based upon Enercon Handheld induction equipment. The above should be used as a general guideline and basis for expanded customer DOE (design of experiment) testing within the scope of your equipment, flatness condition, container geometry, size and application requirements.

Samples or More Information: For more information or to receive samples for testing, please contact us toll free at 1-888-989-3832 (US Only) +1-949-369-7676 (international) or e-mail info@stretech.com

Streuter Technologies, Inc. (Fastel) * 208 Avenida Fabricante * San Clemente, CA 92672, USA – www.streuter.com

REV 2020