



P/N: PA250-LV (Low Viscosity)

FastelFilm PA250-LV Product Description

FastelFilm PA250-LV Thermal Bonding Film is a non-thermoset polyethylene based formulation that demonstrates the ability to provide good adhesion to a variety of substrates using standard or customer heating devices. Due to its inert polyethylene base, FastelFilm PA250-LV is an excellent moisture barrier and is an ideal candidate for medical device diagnostic applications and sensitive electronic applications needing an easy bonding process and seal barrier. PA250-LV can be used for bonding a wide range of metal, plastic and fabric substrates and provided in log rolls, slit roll or die cut to a specific custom outline.

Product Features

- Excellent Sealing Characteristics
- Uniform Bond Line Thickness
- Controllable Flow Upon Heating
- Quick Curing / No Set Heating Time

Popular Mounting Surfaces

- Aluminum / Copper / Stainless
- ABS / Styrene / Vinyl
- Glass / FR4 / Wood / Paper
- PET / Polyimide / Plastics

PA250-LV Product Characteristics / Formats

- Adhesive Type:** Polyethylene
- Available Thickness:** 1.5 mil, 3 mil, 5 mil, 10 mil
Custom thickness available
- Adhesive Color:** Clear
- Liner Type:** Double Coated Liner
Optional clear PET Release Liner
- Liner Thickness:** 3 Mil (standard)
- Delivery Formats:** Continuous Log or Slit Rolls / Die Cuts
- Substrate Coating:** Yes, contact Fastel to learn more about substrate coating options
- Fastel Die Cuts:** Individual die cut pieces
Multiple die cuts per card
Continuous die cut rolls

PA250-LV Construction

PA250-LV Adhesive Film
Double Coated Release Liner

Substrate Coating Options

- Aluminum / Copper / Stainless Steel Foils
- PET Films
- Polyimide Films
- Polypropylene Films
- Polyethylene Films
- Customer Defined Substrates

PA250-LV General Heating Recommendations

- Melt Point:** 250F / 120C
- Max Continuous Operating Temp:** 212F / 100C
- Viscosity Reference:** 1,650 CPS @ 300F/150C
- Heat Tack Temperature:** 160F to 230F (71C to 110C)
3 to 20 PSI+
1 to 30 seconds (depending on time and pressure)
- Full Bond Temperature:** 250F – 350F (120C to 176C)
10 - 50 PSI+
5 to 60 seconds+ (dependent on time and pressure)
Testing required in order to optimize based upon equipment, substrate and flow objectives required.
- Typical Heating Devices:** Heat Press, Curing Oven, Heated Rollers

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@fasteladhesives.com. For high viscosity version @ melt, please see FastelFilm PA250-HV.

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