



P/N: PA250-HV (High Viscosity)

**FastelFilm PA250-HV Product Description**

FastelFilm PA250-HV 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-HV 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-HV 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-HV 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-HV Construction**

<b>PA250-HV Adhesive Film</b>
<b>Double Coated Liner</b>

**Substrate Coating Options**

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

**PA250-HV General Heating Recommendations**

- Melt Point:** 250F / 120C
- Max Continuous Operating Temp:** 215F / 102C
- Viscosity Reference:** 45,500 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)  
20 - 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 low viscosity version @ melt, please see FastelFilm PA250-LV.

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