

HOT MELT ADHESIVE

ADHESIVE FOR NONWOVEN LAMINATES

Excellent bonding | Shear resistance | Temperature resistance



ADHESIVE FOR NONWOVEN LAMINATES

Nonwoven textiles and foams can be coated with pressure sensitive adhesives to create a self-adhesive layer, allowing for versatility and performance to meet specific customer needs.

High heat resistance with high adhesion

Pressure sensitive coaters/laminators usually must choose between high heat resistance or high adhesion. With our foam lamination pressure sensitive adhesives, your foam materials stay bonded at high temperatures (exceeding 100 °C) whilst retaining excellent holding power.

Low temperature resistance

Low temperature adhesive options are available, allowing your pressure sensitive foam products to adhere in the harshest of environments.

Water resistance

With our adhesives you can offer moisture resistance and even full-water submersion resistance.

KEY FEATURES

- Excellent bonding properties at elevated temperatures.
- High Peel Adhesion Failure Temperature to SS (PAFT).
- High Shear Adhesion Failure Temperature (SAFT).
- Good processability and coating parameters.
- Wide temperature operating window.
- Excellent peel strength to SS.
- Suitable for variety of nonwoven and foam materials.

APPLICATIONS

- Laminated structures with nonwoven materials to create excellent bonding between stainless steel and nonwoven (insulation) materials that can withstand exposure to high temperatures, moisture, or water ingress.

ADHESIVE GRADE AND TECHNICAL INFORMATION

Product	Application	Properties	Viscosity (mPa.s)	180° peel – FTM1 (N/25mm) – 24 h	SAFT (0.5 kg) (°C)
MAIC®Bond B1968	Nonwoven laminates Foam Lamination	Temperature resistance High SAFT High PAFT Excellent peel strength to SS	38,000 – 50,000 (190 °C)	20.0 – 24.0 (20 gsm) SS	120 – 130
MAIC®Bond 106P*	Nonwoven laminates	Excellent bonding Low temperature resistance Excellent peel strength to SS Good moisture resistance	20,000 (160 °C)	21.4 (20 gsm) SS	85

*Development Grades

Please note: all adhesives should be tested thoroughly under end-user conditions to ensure label performance expectations are satisfied in the specific application.