



Turn Up the Heat on Your Performance

SPECIALTY HOT MELT SOLUTIONS



One-Stop-Shop Specialty Hot Melt Solution Provider

For over 130 years, Bostik, an Arkema company, has been a leading global adhesive manufacturer specializing in innovative bonding and sealing solutions across industrial markets. With a deep understanding of our customers' evolving needs combined with extensive formulation knowledge and access to worldwide sustainable sourcing, we are able to deliver high quality products today, addressing customers' goals for tomorrow.

We are proud to offer an unmatched line of thermobonding solutions designed to improve operational efficiencies, product performance and overall sustainability across markets and applications. Building on a unique set of material science expertise as part of the Arkema group, we also create our own resin formulations in our polymerization facilities across the globe.

Our unique capabilities position us well to support our customers with innovative and vertically-integrated solutions for existing and future equipment.

What are Specialty Hot Melts?

Ideal for bonding, binding, coating and encapsulating applications across markets, our specialty hot melts are solid at room temperature and quickly set upon heat activation to form a strong, durable bond. Comprised of pellets, powders, webs and films, these adhesives and resins allow us to provide you with solutions for every type of manufacturing process.

As our products are available in pellets, powders, webs and films, rest assured we will have an adequate solution for your project requirements and needs.



INCREASE PRODUCTIVITY

Fast setting, easy to use and clean properties



HEIGHTEN WORKER SAFETY

No harmful chemicals and solvents in formulations



ENHANCE DESIGN FLEXIBILITY

Multi-substrate adhesion capabilities



IMPROVE SUSTAINABILITY

End-of-life and waste recycling compatibility

How to Choose the Right Specialty Hot Melt for You

While all of our specialty hot melts will work across applications, certain types may be better suited for your process and end-use product needs than others.



PELLETS

Free-flowing, our pellets offer excellent thermal stability and ultra-precise application dispensing for reduced adhesive usage and decreased downtime. They also serve as the raw material from which to make webs, films and specialty compounds.

POWDERS

Our powders are versatile and offer unequalled soft-hand feel. Available in different particle sizes customized to your process needs, they are ideal for coating and lamination applications as well as for binders or dispersions.

WEBS

Easy to use, our webs are hot melt adhesives formed into a non-woven material that handles like fabric. They offer good air flow and enable consistent application control while also optimizing weight to performance criteria.

FILMS

Our films are ideal for demanding bonding applications. When used as a multi-layer substrate, they can be combined with barrier and different thermobonding properties. They also offer excellent functionality and provide full coverage on top or between substrates.



Smart Facts

- ✓ Hot melt **pellets** are applied molten. This means the substrates to laminate or coat have limited exposure to high temperature, which makes them ideal for temperature-sensitive materials.
- ✓ With **powders**, the application width is easily changeable, which enables very flexible processing.
- ✓ **Web** adhesives are the ideal solution for bonding on open structures, such as open foams.
- ✓ **Film** adhesives typically require thinner adhesive layer compared to pellets or powders to achieve similar bonding performance in full-coat lamination.

During the Selection Process

While our Bostik experts are available to help you in your selection process, consider asking yourself these questions to further assist in the decision-making process.

Q What is the right technology for my application, function and equipment?

A Pellets, powders, webs and films each bring specific performance and process benefits. Therefore, it's important to assess your bonding, binding, coating or encapsulating application requirements as well as your existing equipment and technical needs for proper selection.

Q What hot melt chemistry is compatible with my substrates and process?

A The nature of each polymer is unique and will influence its bonding performance on a given substrate as well as its environmental resistance. We will work with you to ensure the right fit that enhances your product's lifecycle whether you are bonding metals, textiles, foams or other substrates. Our chart below details each chemistry's compatibility for given substrates.

Q What melting temperature do I need to ensure maximum performance?

A Finding the right balance between pressure, time and temperature will ensure a long-lasting bond and substrate integrity. The melting range of your chosen hot melt should also be in line with required end-use application temperature resistance so that it is high enough to offer the best resistance without being too high to damage the substrates. Our specialty hot melt solutions are available in a wide range of melting points, enabling wide product design possibilities to meet these needs.

Q What are the ideal product parameters for optimal value?

A Your hot melt solution's ideal application weight (and particle size, if using powders) will depend on the substrates being used to bond, the chemistry and the process requirements. Defining the right parameters is key to ensure the fitting solution tailored to your need.

Q Does my application have specific performance needs?

A Your end-use application may require tailored performance needs. If so, you may want to consider a hot melt solution that incorporates additional functionality, such as flame retardants or stabilizers, into its formulation or a product that can offer micro-splitting or other specifications.

Substrate Compatibility Chart

	TEXTILE				FOAM		PLASTIC						ELASTOMERS	OTHER	
Chem.	Synthetic	Natural	Mineral	Leather	PE	PU	PE	PP	ABS	PS	PET	PVC	Rubber	Metal	Wood
EVA	+	++	+	+	++	+	++	+		+	+		++	+	+
PO - PE&PP	+	+	++		+	++	++	+	+		+		++	++	+
TPU	++	++	+	++	+	++			+			++	+		+
PES	++	++	++	+		+	+	+	+		++	++	+		+
PA	++	++	++	+		+	+	+	++	+	++	++	+	+	+

++ Excellent + Good

Disclaimer: The values contained in this chart resulted from trials and measures conducted in our laboratory under specific, R&D-controlled conditions. They are given as an indication. Please test these characteristics for your own applications and uses.

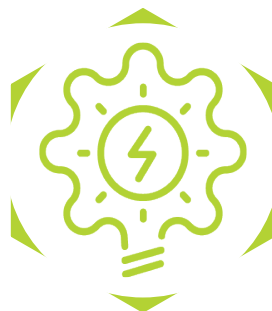
How Bostik Helps You and the Environment

At Bostik, we understand how increasingly important yet challenging it is to all do our part to help our global environment. Therefore, we are committed to creating sustainable products that help make it easy for you to improve your sustainability levels and reduce your environmental impact. By fostering Arkema's commitment to the 2030 Agenda for Sustainable Development and their promotion of the United Nations' Sustainability Develop Goals, rest assured we put health, safety and environmental responsibilities first in every product we manufacture.



RELIABLE CHEMISTRY

With 100% solids content and label-free production, our solutions are formulated with no solvents or harmful chemicals.



RESPONSIBLE PRODUCTION

In addition to an immediate setting time, no solvent elimination is needed with our specialty hot melts, which helps reduce your energy usage.



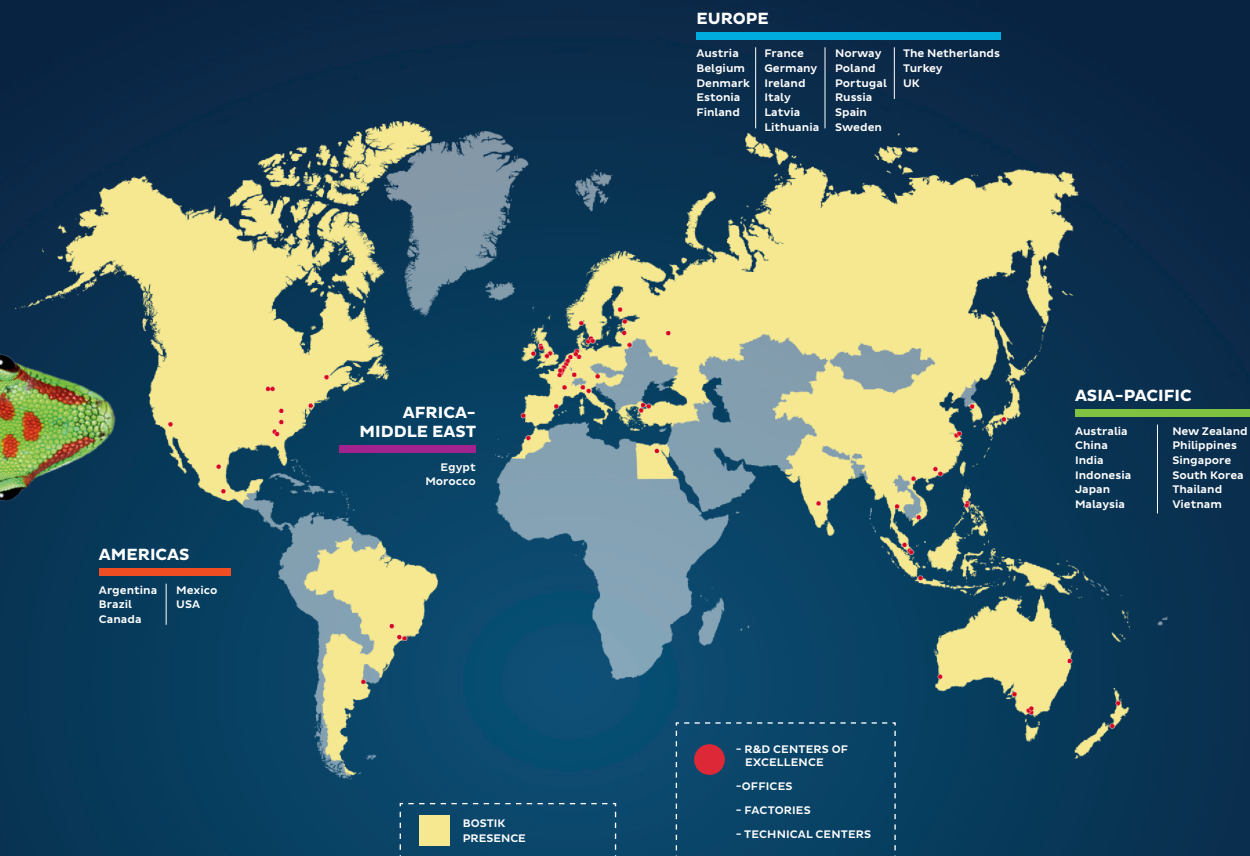
SUSTAINABLE DESIGN

Our solutions are thermoplastic, which makes it easy for debonding and recycling at the product's end of life.



Ready to get started
with a specialty hot melt
solution that's right for you?

Contact a Bostik expert today!



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