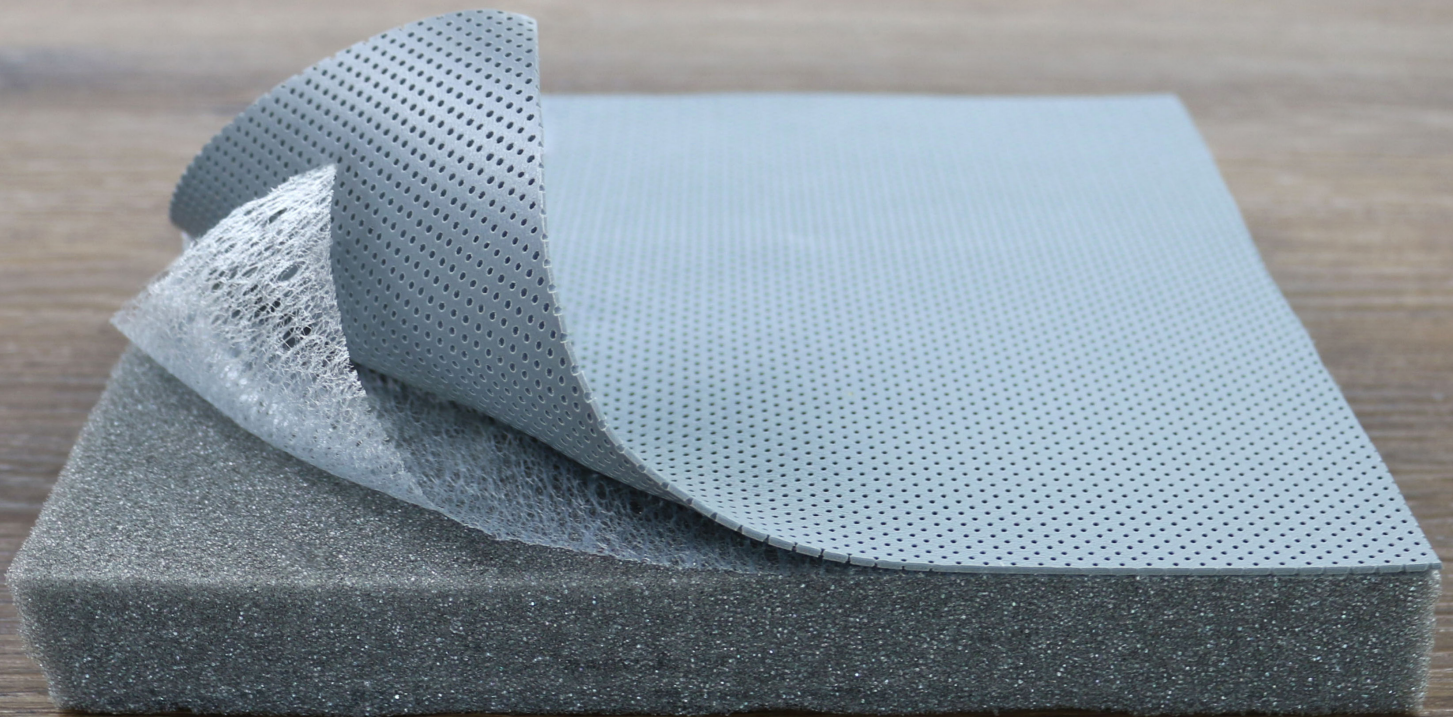




Web Adhesives

**SMART SOLUTION FOR
TRANSPORTATION AND ASSEMBLY**



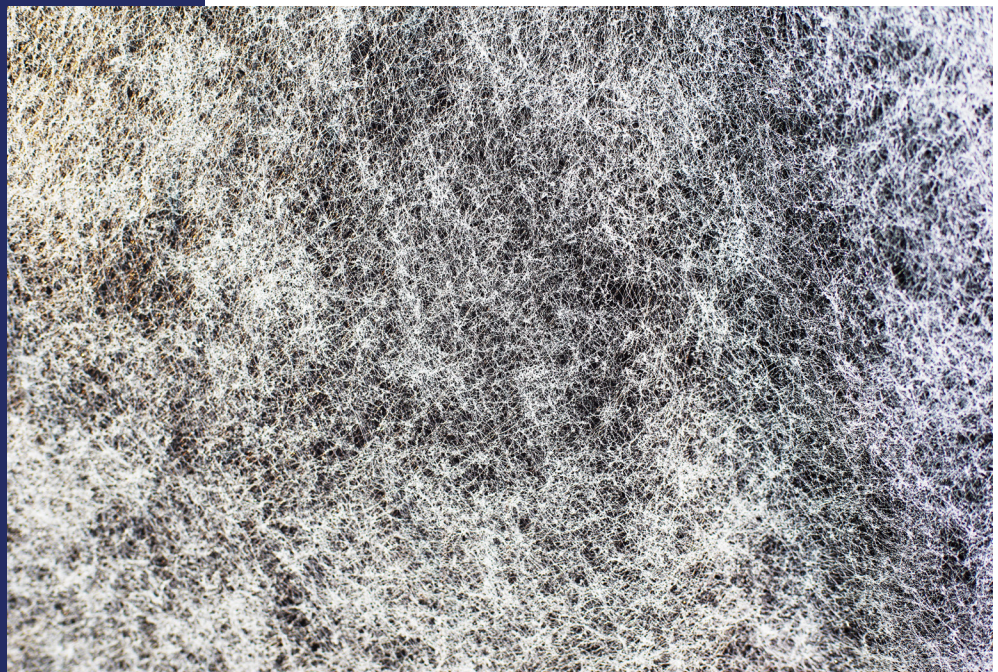
Bostik offers web adhesives that provide many advantages for customers and simplify the use of adhesives in their manufacturing processes.

What is a Web Adhesive?

Webs are hot melt adhesives that have been converted into a non-woven that handles like a fabric. Polyamide and polyester polymers are used to produce a variety of web products.

They are:

- Made by a modified melt blown process into a fine filament pattern that offers good textile hand and uniform adhesive coverage.
- Available in basis weights ranging from 12 to 100 grams per square yard (14 to 120 grams per square meter).
- Available in 60 in (152.4 cm) standard width or custom widths from 10-68 in (25-173 cm) trimmed, up to 75 in (190 cm) untrimmed.



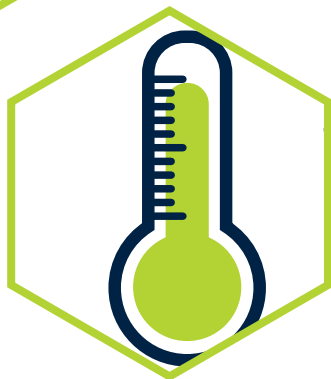
Choosing the Right Web Adhesive

There are several factors to consider in choosing the right web adhesive.



SELECT THE CORRECT BASE POLYMER

- Web adhesives' base polymers are polyamide and polyester. Each type offers different bond performance, which is why it's important to choose which one will be right for your application needs.



CONSIDER THE MELTING TEMPERATURES OR SOFTENING POINT

- Each base polymer chemistry has a different melting temperature and softening point; this impacts processing conditions as well as the web's performance in end-use applications.
- Typical activation temperatures range from 170°F to 330°F (77-166°C); knowing the heat sensitivity of your substrates can help ensure your web is suited for your end-use application.
- Webs are made of thermoplastic resins; this means they cannot be used in applications subjected to temperatures that exceed their melting point for too long, as that can reactivate the adhesive.



KNOW THE PERFORMANCE CRITERIA

- A web's viscosity can affect its bond performance to some multi-layer, specialty laminates. To ensure it is able to maintain a proper bond, the viscosity needs to be suited for its end-use application.
- Webs can offer different levels of water and solvent resistance depending on the base polymer chemistry. Choose a web adhesive that will offer sufficient resistance levels for your end-use application.



CHOOSE THE RIGHT BASIS WEIGHT

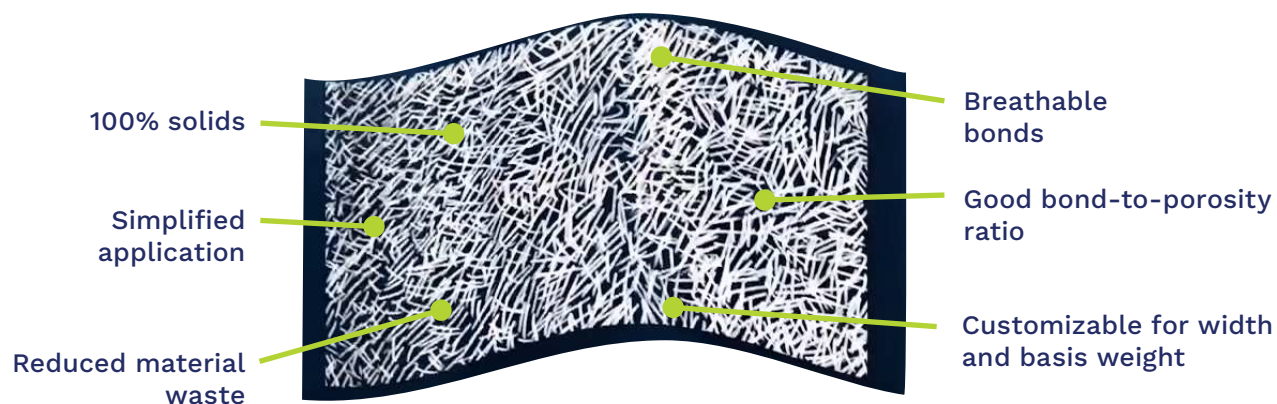
- To determine the right basis weight, consider how coverage influences bond consistency and certain performance-related ratios, such as bond strength-to-porosity. You will also want to assess the substrates being bonded, the web adhesive's base chemistry, its activation temperature and other processing requirements.
- Higher basis weight web adhesives reduce the bond's permeability; choose a lower basis weight web adhesive if you want high permeability. Web adhesives with too low of a basis weight can result in bond failure, though.

Web Adhesive Selector

Product	Base Polymer Type	B&R M. P. (°C)	DSC M.P. (°C)	Minimum Activation Temperature (°C)	Wash Resistance	Dry Clean Resistance	Elevated Temperature Resistance (°C)	Comments
PA115	Nylon	125	115	115	Fair	Excellent	115	Headliner and textile adhesive
PA145	Nylon	151	145	141	Fair	Excellent	140	Textile bonding. Good chemical resistance
PE75	Polyester	90	82	85	Good	Poor	75	Low melt web for textile bonding
PE85	Polyester	100	90	93	Excellent	Poor	88	Low melt web for textile bonding
PE103	Polyester	115	103	105	Excellent	Poor	100	Low melt web used in leather seat bonding
PE120	Polyester	131	120	132	Excellent	Good	120	Medium melt web for headliner and textile uses
PE165	Polyester	175	165	180	Excellent	Excellent	165	High melt web for textile and automotive

What is a Web Adhesive?

Bostik's web adhesives are thin, heat-activated, fabric-like materials that vary in basis weight and polymer chemistry. The flexibility and versatility of the web adhesives accommodate manufacturers' growing interest in new substrates and offer several advantages over other bonding options:



Substrate Guide

Product	Substrate Compatibility													
	Wood	Leather	Urethane Foam	Fabric	Metals	PVC	ABS	Aluminum	Fiberglass	PEEK	PEI	Phenolic	PVDF	Treated PP
PA115	●		●	●	●		●	●	●			●		●
PA145	●		●	●	●		●	●	●			●		●
PE75		●	●	●				●	●			●		●
PE85		●	●	●				●	●			●		●
PE103		●	●	●		●	●	●	●			●		●
PE120			●	●			●	●	●		●	●		●
PE165			●	●				●	●			●		●

The chart above provides typical substrates with which Bostik's web adhesives have been used, but is not a guarantee of suitability. Bostik recommends evaluating the performance of a web adhesive in individual applications to ensure performance requirements are achieved.

Want to learn more about our web adhesives?

[Contact a Bostik expert today!](#)





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