

Benchmark[®] Adhesives

Performance • Value • Expertise



**Hot Melt
Technologies, Inc.**

No One Puts It Together Like HMT[®]



Benchmark® Adhesives: High-Performance Hot Melts For Virtually Every Application.

Hot Melt Technologies (HMT®) offers you more than advanced Benchmark®, ProFlex® and AutoPack™ Adhesive Application Systems.

For single-source convenience, we also provide a complete line of Benchmark Hot Melt Adhesives.

From simple case and carton sealing to high-performance woodworking and product-assembly operations, HMT has a Benchmark Hot Melt Adhesive that's right for you.

Select from a full line of advanced hot melts, including EVAs, polyolefins, polyamides and pressure sensitives. They're formulated to bond various substrates ranging from woods, metals and foam laminates to plastics, paper products, textiles, non-wovens and more.

And if our standard products don't fit your exact needs, HMT will work with you to develop the right adhesive to solve your special requirements.

Shown at right: Manufacturers rely on Benchmark Adhesives to assemble a wide variety of products.

The Basics About Hot Melts

Hot melt adhesives are 100% solid thermoplastics that, when heated, become liquid. After being applied in a bead or spray pattern, they cool and then re-solidify, forming an adhesive bond.

Hot Melts vs. Water- or Solvent-Based Adhesives

Upon cooling, hot melts form strong bonds almost instantaneously.

No drying or curing ovens are required. You can also free-up space that was previously used for clamping or holding parts. Best of all, hot melts are environmentally safe; they're non-volatile, don't pollute the air and require no special disposal.

Hot Melts vs. Mechanical Fasteners

Hot melt adhesives can replace staples, tapes, screws, nails, rivets, clips and a host of other expensive fasteners to provide weight savings and also improve the way your products look.



Benchmark Hot Melt Adhesives Performance Specifications

Product Number	Suggested Uses	Characteristics	Softening Point (Ring & Ball)	Viscosity/Centipoise (cps)	Form
General Purpose Hot Melts					
1200	General Case & Carton Sealing	General Purpose, Long Pot Life	225°F	950 CPS @ 325°F	Chips
1204	Plastics, Woods, Foams, Fiberglass & Sound Deadening Materials	General Purpose, Low Viscosity, Flexible, EVA	225°F	950 CPS @ 325°F	Pillows
1269	General Case & Carton Sealing	General Purpose, Very Versatile, Aggressive Tack, EVA	243°F	1,000 CPS @ 350°F	Pillows
1280	High-Quality Case & Carton Sealing	Premium Performance, Super Fast, Compares With All The Best, EVA	240°F	550 CPS @ 350°F	Pillows
Fugitive Hot Melts					
6402	Paper and Plastics, Temporary Bond, Mailings	General Purpose, Sprayable, Removable	160°F	950 CPS @ 325°F	Pillows
Polyolefin Hot Melt					
702-P	Woods, Metals, Polyolefin, Rigid PVC's, ABS, Nylons & Phenolics	Good Tack, Flexible, With Long Open Time, Sprayable	225°F	4,600 CPS @ 350°F	Pillows
4133	Foam, Fabric, Mattress Assembly	Good Tack, Sprayable	235°F	3,000 CPS @ 350°F	Pillows
4166-C	Foam, Fabric, Variety of Plastics & Acoustical Attachments	Good Heat Resistance, Flexible, Long Open Time, Sprayable	278°F	2,900 CPS @ 350°F	Pillows
4177-P	Plastics, Metals, PVC's, ABS, Phenolics, Fabrics & Leathers	Excellent Tack, Very Flexible With Long Open Time, Sprayable	260°F	7,000 CPS @ 350°F	Pillows
4188-P	Plastics, PVC's, Foams & Fabrics	High Strength, High Heat Resistance	313°F	9,500 CPS @ 350°F	Pillows
6490	General Purpose, Versatile	Low Viscosity, Sprayable	160°F	1,500 CPS @ 350°F	Pillows
Polyamide Hot Melts					
0281	Woodworking, Cabinet & Furniture Assembly	General Purpose, Good Heat Resistance, Very Flexible	284°F	3,800 CPS @ 375°F	Beads
Pressure Sensitive Hot Melts					
6410	Foam-To-Corrugated Applications	General Purpose, Sprayable	170°F	3,800 CPS @ 325°F	Pillows
6430	High-Performance For Foams, Fabrics & Plastics	General Purpose, High Strength, Sprayable	200°F	4,700 CPS @ 350°F	Pillows
Sealants					
8101	Metal Roof Roll Forming & Similar Applications	Rubber Based, High Heat Resistance	240°F	20,000 CPS @ 300°F	Blocks
8203	Glass & Aluminum, Insulated Glass Applications	Resistant To Degradation From UV Light, Extreme Temperatures & Water Immersion, Meets Level A, ASTM E773/E774			3 lb. Carton
UL Approved Hot Melts					
761	Insulation To Metal, HVAC Applications	UL Approved	240°F	4,700 CPS @ 375°F	Pillows

Hot Melts For A Wide Range Of Applications

Benchmark® Adhesives can be used for these applications:

Automotive & RV

- Door Panel Assembly
- Sound Deadener Installation
- Headliner Assembly
- Impact Block Bonding
- Carpet Attachment
- Seating Build & Assembly

Woodworking & Furniture

- Cabinet Assembly
- Drawer Bottom Bonding
- Vanity Back Assembly
- Mirror Assembly
- Profile Wrapping
- Office Panel Assembly

Construction

- Window Sealing
- Pallet Fabrication
- Pre-Fab Wall Construction

Appliances

- Trim Installation
- Insulation Bonding
- Gasketing

P.O.P. & Graphics

- P.O.P. Display Assembly
- Sales Kit Foam Insert Bonding

Packaging

- Case Closing
- Tray Forming
- Carton Sealing
- Bag Sealing
- Over Wrapping
- Pallet Load Stabilization
- Dunnage Assembly

Bookbinding & Printing

- Case Binding
- Joint Making
- Side Glue
- Insert Bonding

Foundry

- Sand Core Bonding

Metal Buildings

- Standing Seam Assembly
- Panel Bonding
- Seam Sealing

Heating & Air Conditioning

- Insulation Bonding
- Duct Sealing

Electronics

- Potting & Encapsulating
- Wire Tacking
- Small Component Assembly

Filters

- End Cap Bonding
- Pleat Separation
- Seam & Pleat Sealing

Mattresses

- Pillow-Top Assembly
- Non-Woven Attachments

Foam

- Laminating
- Plastic Corrugations
- General Assembly

Converting

- Labels
- Business Forms

And The List Goes On ...

- Multi-Wall Bag Construction
- Flexible Ducting
- Casket Assembly
- Luggage Assembly
- Paint Roller Fabrication
- Scrub Sponge Bonding
- Football Helmet Assembly
- Flower Arrangement Bonding
- Ornament Assembly
- Toy Fabrication
- Lamp Shade Bonding
- Basket Assembly
- Cap Lining

High-Performance Hot Melt Systems From An Industry Leader

Hot Melt Technologies (HMT,) has been a leader in the hot melt applications industry since 1981. We offer the applicators, accessories and adhesives you need to become efficient, all from a single source. And, we provide the after-purchase support you need to stay productive, job after job after job.

So, if you're seeking value, convenience and satisfaction, remember ... **No One Puts It Together Like HMT.**



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