

# Benchmark<sup>®</sup> Adhesives

Performance • Value • Expertise



**Hot Melt  
Technologies, Inc.**

No One Puts It Together Like HMT<sup>®</sup>



## **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
<b>General Purpose Hot Melts</b>					
1200	General Assembly, Case & Carton Sealing	Very Long Pot Life, Metallocene Based	220°F	1,000 CPS @ 350°F	Chips
1204	General Assembly, Plastics, Woods, Foams, Fiberglass & Non-Woven Materials	Low Viscosity, Flexible, EVA/APO Blend	159°F	4,600 CPS @ 350°F	Pillows
1266-P	General Assembly, Cabinet & Other Woodworking Applications	Medium Viscosity, High Strength, Flexible	175°F	8,200 CPS @ 350°F	Pillows
1269	General Assembly, Case & Carton Sealing	Very Versatile, Aggressive Tack, EVA	225°F	1,000 CPS @ 350°F	Pillows
1280	General Assembly, High-Quality Case & Carton Sealing	White, Super Fast, Bonds Well To Coated Stock, EVA	235°F	550 CPS @ 350°F	Pillows
<b>Fugitive Hot Melts</b>					
6402	Paper and Plastics, Temporary Bond, Mailings	Shot-Dot, Bead, or Spray, Removable	172°F	950 CPS @ 325°F	Pillows
<b>Polyolefin Hot Melt</b>					
702-P	Woods, Metals, Polyolefin, Rigid PVC's, ABS, Nylons & Phenolics	Good Tack, Flexible, With Long Open Time, Sprayable	240°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 & Automotive Trim Applications	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. A Standard In The Automotive Industry	Excellent Tack, Very Flexible With Long Open Time, Sprayable	255°F	7,000 CPS @ 350°F	Pillows
4188-P	Plastics, PVC's, Foams & Fabrics, Automotive Trim Applications	High Strength, High Heat Resistance	313°F	9,500 CPS @ 350°F	Pillows
4332	General Assembly, Automotive and RV	High Strength, Good Open Time, Low Viscosity, High Heat Resistance	305°F	2,000 CPS @ 350°F	Pillows
6490	General Purpose, Versatile, Outside Applications	Low Viscosity, Sprayable	160°F	1,500 CPS @ 350°F	Pillows
<b>Polyamide Hot Melts</b>					
0281	Woodworking, Cabinet & Furniture Assembly	Excellent Heat Resistance, Very Flexible	284°F	3,800 CPS @ 375°F	Beads
<b>Pressure Sensitive Hot Melts</b>					
6410	General Purpose, Foam-To-Foam-to-Corrugated Applications, Plastics	General Purpose, Great for Wide Spray Applications, Very Tacky	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
<b>Sealants</b>					
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
<b>UL Approved Hot Melts</b>					
761	Insulation To Metal, HVAC Applications	UL Approved	270°F	4,500 CPS @ 350°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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