



**H.B. Fuller**

End of Line  
Packaging

## Protect your brand with H.B. Fuller adhesive

Packaging lines are running faster and more efficiently than ever before. H.B. Fuller has responded with leading edge, trouble-free adhesive technologies that form and seal cases, cartons, and trays with better bonding using less adhesive. Our product line has the breadth and depth to handle nearly every conceivable substrate, machine, and line speed.

We continue to lead the industry with our **advantra**<sup>®</sup> technology and Clean Melt<sup>®</sup> family of high-performance, value-added packaging hot melts based on proprietary technology. Recently, we added **Liquamelt**<sup>®</sup> – an adhesive/equipment combination that combines the ease of liquid glue applications with the speed and performance of a hot melt that uses 40% renewable raw materials.

Protect your brand by using H.B. Fuller's robust line of packaging adhesives that can improve the quality, safety and efficiency of your packaging operation, and provides the best overall value.



# H.B. Fuller

## End of Line Packaging

## Clean Melt® Hot Melt Adhesives

### High performance packaging adhesives

**Clean Melt®** metallocene packaging hot melt adhesives deliver an optimal balance of sealing performance and cost effectiveness for typical applications. The reliable performance and patented formulations provide a well balanced cost/benefit ratio. Versatile **Clean Melt®** adhesives combine high mileage, low maintenance, and power productivity with robust adhesion to create exceptional value.

Clean Melt® Adhesive Technology	
Features	Benefits
Char-Free Technology	Virtually eliminates plugged nozzles due to adhesives for consistent hassle-free production.
Gentle on Equipment	Reduced equipment maintenance and parts spend.
Odor-Free and Light Color	Enhanced package appearance and user-friendly working environment.
Clean Cutoff & Precise Application	Performs without stringing.

Product	Description/Application	Molten Gardner Color	Viscosity @ 350°F (cps)	Set Speed	Open Time	Application Temperature
<b>Clean Melt®</b> 89100	Higher viscosity for greater green strength or high spring back flaps.	2	2,265	Fast	Short	340°F - 375°F
<b>Clean Melt®</b> 7600	Versatile for most applications including a wide variety of packages. Good for ambient and freezer grade storage.	1	820	Fast	Short	325°F - 360°F
<b>Clean Melt®</b> 7602	Excellent adhesion for freezer grade applications.	1	820	Fast	Medium	325°F - 360°F
<b>Clean Melt®</b> PHC 8250	Wide temperature performance range. This is a value formulated metallocene polymer based hot melt designed for packaging stored at -40°F to 140°F.	2	985	Fast	Short	325°F - 360°F



# H.B. Fuller

## End of Line Packaging



## advantra® Hot Melt Adhesives

### Ultimate performance in packaging adhesives

advantra® premium metallocene hot melts are the world's leading packaging adhesive brand for applications such as case and carton sealing, straw attachment, sift-proof, bag-in-box and ream wrap. Since the introduction of the revolutionary patented **advantra®** brand of metallocene adhesives, more than 100 billion cases and cartons have been successfully sealed worldwide.

Our new **advantra Encore™** technology provides greater mileage improvements over typical metallocene products with a superior bond across a large temperature range. This new platform of adhesives is the next generation of H.B. Fuller's proprietary packaging adhesives.

### advantra® Adhesives Technology

Features	Benefits
Superior Bonding Performance	Strong adhesion to difficult substrates such as recycled paper, PET, PE, OPP, and metalized.
Reduced Equipment Maintenance	Reduced downtime on production lines and reduced expenses.
Odor-Free and Light Color	Enhanced package appearance and user-friendly working environment.

NEW

Product	Description/Application	Molten Gardner Color	Viscosity @ 350°F (cps)	Set Speed	Open Time	Application Temperature
<b>advantra Encore™</b> 4000	Excellent bond strength across a large temperature range, increased adhesive mileage over typical metallocene products.	3	1,200	Medium/Fast	Short	320°F - 375°F
<b>advantra®</b> PHC 9250	Excellent freezer performance and general purpose adhesive.	1	925	Fast	Short	320°F - 375°F
<b>advantra®</b> PHC 9254	Extremely versatile problem solver. High hot tack and wide service range enhanced adhesion to difficult substrates.	1	1,150	Medium/Fast	Medium	335°F - 375°F
<b>advantra®</b> PHC 9255	Good for straw attachment, ream wrap, and difficult substrates such as OPP, PE and PET.	1	800	Slow	Long	315°F - 350°F
<b>advantra®</b> PHC 9256	High heat resistance with general purpose. Versatile and excellent machining.	1	785	Fast	Short	320°F - 375°F
<b>advantra®</b> PHC 9275	Extreme hot tack and heat resistance with very high adhesion.	1	1,020	Fast	Medium	335°F - 375°F



## Low Application Temperature (LAT) Hot Melt Adhesives

Our next-generation, low-application temperature products offer the safety and reduced maintenance that you would expect, but with robust bond performance at both ends of the temperature spectrum.

Product	Description/Application	Molten Gardner Color	Viscosity @ 350°F (cps)	Set Speed	Open Time	Application Temperature
<b>advantra</b> <sup>®</sup> PHC 9200	Surprisingly high heat resistance with great machining and precise application.	1	1,000	Fast	Short/ Medium	250°F - 300°F
<b>advantra</b> <sup>®</sup> PHC 9202	Versatile with enhanced hot tack and adhesion to difficult substrates.	1	1,245	Medium/ Fast	Medium	250°F - 300°F
<b>Clean Melt</b> <sup>®</sup> PHC 7005	Excellent adhesion and very good heat resistance. The industry's go-to-product, when easy application, high performance, and worker safety are desired.	5	860	Medium/ Fast	Short	260°F - 285°F
<b>Clean Melt</b> <sup>®</sup> PHC 7020	Fast-setting low temp premium EVA. Excellent thermal stability. Versatile adhesion and good heat resistance.	5	1,300	Medium	Short	240°F - 260°F
<b>Clean Melt</b> <sup>®</sup> PHC 7030	Ideal for packaging which will be stored in cool temperatures.	5	1,070	Medium/ Fast	Short	260°F - 290°F
<b>Clean Melt</b> <sup>®</sup> PHC 7003	Great adhesion and good performance range. Ultra low application temperature EVA adhesive – for those who want the ultimate in worker safety.	8	1,450 (@ 200°F)	Fast	Short	200°F

## General Purpose EVA

These traditional formulas, supported by our experienced sourcing, R&D and technical teams, are manufactured in our world class facilities.

Product	Description/Application	Molten Gardner Color	Viscosity @ 350°F (cps)	Set Speed	Open Time	Application Temperature
PHC 7264	Versatile adhesion and high tack.	4	1,130	Fast	Short	325°F - 360°F
<b>Swift therm</b> <sup>®</sup> 84598	General purpose and refrigerator grade.	5	800	Medium	Short	375°F
<b>Swift therm</b> <sup>®</sup> 3H010	General purpose.	5	1,215	Fast	Short	350°F
HL 7215	Freezer grade with high adhesion.	4	2,000	Fast	Medium	330°F - 360°F
<b>Swift therm</b> <sup>®</sup> 2H882	Versatile general purpose.	5	1,250	Fast	Short	350°F





# H.B. Fuller

## End of Line Packaging

## Specialty Performance

Whether your packaging application needs to endure desert heat or a 40 below zero blast freezer, we have the adhesive to keep it together. Difficult-to-bond boxes, over-stuffed or under-filled; when it feels like a challenge, our problem-solving specialty adhesives can help.

Product	Description/Application	Molten Gardner Color	Viscosity @ 350°F (cps)	Set Speed	Open Time	Application Temperature
<b>EVA Hot Melts for Wax Coated Boards</b>						
<b>Swift therm®</b> 84521	Good for wax coated board in the beef industry.	6	2,125	Slow	Long	335°F - 365°F
PHC 7740	Excellent adhesion with light color targeted to the poultry industry.	2	2,600	Slow	Long	335°F - 365°F
PHC 7741	Value performance for bonding wax coated boards in beef and poultry industries.	4	3,100	Slow	Long	335°F - 365°F
<b>EVA Hot Melts for Agriculture Case Packaging</b>						
<b>Swift therm®</b> 84659	Exceptional hot tack and high heat resistance.	7	800	Fast	Short	340°F - 370°F
PHC 7007	High hot tack and heat resistance.	8	1,300	Fast	Short	325°F - 360°F
<b>Swift therm®</b> 84144	All purpose.	8	1,150	Fast	Short	325°F - 360°F
<b>Miscellaneous Specialty Performance</b>						
<b>Swift therm®</b> 82890	High heat resistance and hot tack.	6	1,567	Fast	Fast	350°F
<b>Swift therm®</b> 80860	Solvent and fragrant resistance.	5	1,127	Fast	Short	350°F
HM 2835Y	Very aggressive bonding to difficult substrates. High hot tack. Excellent freezer performance to -40°F.	4	1,127	Medium	Medium	315°F - 365°F
PHC 2840	Freezer grade.	6	1,000	Medium	Medium	325°F - 350°F
<b>Smart Grip</b> PHO 3000	Unique temporary bundling adhesive. Talk to sales professional for more details.	2	1,230	Medium	Medium	325°F - 350°F
<b>LiquaMelt®</b> 1259	The industry's first cool on delivery, hot-on-demand adhesive system that uses 40% renewable raw materials. Talk to sales professional for more details.	2	10,500	Fast	Medium	350°F - 390°F

# Do you know your Total Cost of Ownership? We can help you.

In addition to high performance adhesives and dispensing equipment, our comprehensive **value-added services and expertise** help ensure high productivity and low total overall costs.

## H.B. Fuller's service includes:

- Reporting & Tracking of Savings Delivered
- Rigorous Process Audits & Optimization
- Best Practices Benchmarking
- Industry Leading Training Programs
- Supply Chain & Sustainability Assessments



## Are you running the right technology?

Who knows more about packaging hot melt adhesives than the company that invented and patented the metallocene technology? H.B. Fuller's diverse portfolio of **advantra**<sup>®</sup> metallocene based adhesives; **Clean Melt**<sup>®</sup> adhesives and general purpose EVA hot melts provide your company with a complete set of adhesive choices for your packaging needs.

H.B. Fuller's experienced technical teams can help optimize your operations by helping you choose the best adhesive for your business.

We invite you to our world headquarters to see our state-of-the-art Packaging Center of Excellence which allows you to see first hand our adhesives preform on various substrates using the latest equipment in the market place. Contact your local sales professional for more information.

Our Focus is Clear. **Perfecting Adhesives.**<sup>™</sup>

For more information, visit [hbfuller.com](http://hbfuller.com), email [inquiry@hbfuller.com](mailto:inquiry@hbfuller.com) or call **888-HBFULLER**.

IMPORTANT: It is the user's responsibility to test and determine the suitability of a product for the user's intended use. Any product samples provided for testing are provided in accordance with standard limited warranties as stated on our technical data sheets.

Follow us on:

 [www.hbfuller.com](http://www.hbfuller.com)

 H.B. Fuller Company

 @hbfuller

 @GlueTalk

 @gluetalk



**H.B. Fuller**

H.B. Fuller Company  
1200 Willow Lake Blvd.  
St. Paul, MN 55110  
1-888-HBFULLER

© H.B. Fuller Company 2013  
EOL Packaging - Sell Sheet 0613-16