

Technical Data Sheet

3M™ Hot Melt Adhesive 3750 Tan

Product Description

3M™ Hot Melt Adhesives are heat applied, 100% solids adhesives. They are fast setting thermoplastic adhesives with good “hot tack” and low to medium viscosity.

3M™ Hot Melt Adhesives bond to a wide variety of substrates such as corrugated, beadboard, repacking chipboard, recoupage, wood and many other lightweight materials.

- Low viscosity adhesive for high flow rate and increased production rate. Ideal for high volume packaging. Use with AE II applicator only.

Product Features

- 100% solids, no VOCs
- Easy to use
- Fast-setting adhesive obtains strength in seconds
- Low Melt (LM) adhesives are designed for low temperature application and heat sensitive substrates
- “Quick grab” for instant adhesion that cools to a tack free solid
- Ideal for packaging and many woodworking applications.


Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values	Additional Information
Open Time	30 s	View
Substrate: Douglas Fir to Douglas Fir		
Notes: For 1/8” semicircular bead		
Density	0.93 g/cm ³	
Density	0.034 lb/in ³	
Flash Point	199 °C	
Flash Point	>390 °F	
Viscosity	1900 cP	View

Notes: Brookfield Thermocel Viscometer in Centipoise using a #27 Spindle @ 10 RPM.

Delivery Time	30 to 40 s	View 
Notes: Extrusion time for one 1"x3" PG cartridge.		


Typical Uncured Physical Properties


Property	Values	Additional Information
Color (solid)	Tan	

Typical Performance Characteristics


Property	Values	Additional Information
180° Peel Adhesion	96 oz/in	View 

Substrate: Flexible canvas bonded to Douglas Fir

Application Temperature C	177 to 196 °C	View 
Notes: Recommended application temperature range. Temperature can be adjusted to regulate desired viscosity, delivery rate and pot life.		


Application Temperature F	350 to 385 °F	View 
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Notes: Recommended application temperature range. Temperature can be adjusted to regulate desired viscosity, delivery rate and pot life.

Overlap Shear Strength	500 lb/in ²	View 
Substrate: Douglas Fir		


Temperature Resistance	52 °C	View 
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Notes: Highest temperature that the adhesive will support a 2 psi dead load

Temperature Resistance	125 °F	View 
Notes: Highest temperature that the adhesive will support a 2 psi dead load		

Ball & Ring Melt Point	93 °C	View 
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Test Method: ASTM E28-67

Ball & Ring Melt Point	200 °F	View 
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Test Method: ASTM E28-67

Available Sizes

1/2 in x12 in AE

Storage and Shelf Life

Store below 120°F (49°C).

When stored at the recommended conditions, this product has a shelf life of 24 months from the date of manufacture.

Bottom Matter

3M

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Trademarks

3M is a trademark of 3M.

Handling/Application Information

Directions for Use

1. Application: 3M™ Hot Melt Adhesives are designed for use with 3M™ Hot Melt Applicators (excluding bulk sizes). 3M™ Hot Melts are applied at 350-385°F, except the LM series which are designed to be applied at 250-275°F. Read and follow the precautions and directions for use in the Applicators User's Manual before operating the applicator.

Open Time is the maximum amount of time between dispensing adhesive and joining surfaces. Reported open time are based on 1/8" extruded beads and will vary based on bead size, dispense temperature and ambient temperature.

Extruded bead sizes can be customized using 3M™ applicator tips.

2. Coverage: 3M™ Hot Melt Adhesives yield approximately 430 linear feet per pound of adhesive when extruded as a 1/8" diameter semi-circular bead.

3. Set Time: After the bond is made, 3M™ Hot Melt Adhesives immediately build strength and no clamping is necessary. Set will occur faster on cold or metallic substrates.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40065540/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3750 Tan

Family Group

Link Tags:

• 3750 Tan

• 3750 Clear

Products	Open Time
3750 Tan	30 s
3750 Clear	N/A

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

Information

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