



Technical Data Sheet

3M™ Hot Melt Adhesive 3762

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 with “quick grab” properties.

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 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	35 s	View
Substrate: Douglas Fir to Douglas Fir		
Notes: For 1/8” semicircular bead		
Density	0.95 g/cm ³	
Density	0.034 lb/in ³	
Flash Point	260 °C	
Flash Point	500 °F	
Viscosity	1870 cP	View


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

Delivery Time	30 s	View 
Notes: Extrusion time for one 1"x3" PG cartridge.		
UL Listing	UL 94 - V2	


Typical Uncured Physical Properties

Property	Values	Additional Information
Color (solid)	Tan	

Typical Performance Characteristics


Property	Values	Additional Information
180° Peel Adhesion	112 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	545 lb/in ²	View 
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Substrate: Douglas Fir

Temperature Resistance	54 °C	View 
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Notes: Highest temperature that the adhesive will support a 2 psi dead load

Temperature Resistance	130 °F	View 
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Notes: Highest temperature that the adhesive will support a 2 psi dead load

Ball & Ring Melt Point	94 °C	View 
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Test Method: ASTM E28-67

Ball & Ring Melt Point	201 °F	View 
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Test Method: ASTM E28-67

FDA Indirect Food Contact

21 CFR 175.105

View 

Notes: Permitted for indirect food contact subject to the limitations in applicable CFR section(s).

Available Sizes

5/8 in x8 in Q

5/8 in x2 in TC

1 in x3 in PG

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.

Industry Specifications

UL 94 - V2

Bottom Matter

3M

Industrial Adhesives and Tapes Division

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Trademarks

3M is a trademark of 3M.

Handling/Application Information

Directions for Use

1. Surface Preparation: Surfaces must be clean, dry and dust free. Wipe with a solvent such as isopropyl alcohol for plastic substrates to aid in removing oil and dirt.*

*Note: When using solvents, extinguish all ignition sources, including pilot lights, and follow the manufacturer's precautions and directions for use.

2. Application: 3M™ Hot Melt Adhesives are designed for application with a 3M™ Hot Melt Applicators. Read and follow the precautions and directions for use in the user's manual before operating the applicator. 3M™ Hot Melt Adhesives are applied at 350-385°F, except the Low Melt (LM) series which are designed to be applied at 250-275°F. LM series are adhesives designed for lower temperature application but still yield long-lasting bonds.

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.

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

4. 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/b40065545/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3762

Family Group

Link Tags:

- 3762LM
- 3762

Products	Open Time
3762	N/A
3762LM	25 s

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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