

3M™ Hot Melt Adhesives Selector Guide

Step 1: Select your assembly type



Small Joint Assembly
Small joints are typically irregularly shaped, but only a few inches of overlap area.



Large Surface Lamination
Two surfaces of similar size, either rigid or flexible, are bonded or laminated together where majority of the surface is covered by adhesive.








Mounting and Trim Attachment
Small objects are mounted or added to a large surface.



Sealing, Potting and Encapsulating
Adhesive flows over and around a component or fills a chamber to protect and seal components therein.

Step 2: After selecting your assembly, choose the substrate and identify the adhesive that performs best for your application.

Substrate					
	Wood	Paper	Plastic	Metal / Glass	Fabric / Foam
Lead Adhesive	<p>3M™ Hot Melt Adhesive 3792</p> 	<p>3M™ Hot Melt Adhesive 3762LM</p> 	<p>3M™ Hot Melt Adhesive 3764</p> 	<p>3M™ Hot Melt Adhesive 3747</p> 	<p>3M™ Sprayable Hot Melt Adhesive 6111HT</p> 

Hot Melt Adhesive is dispensed at 350–385°F. Low Melt Adhesive is dispensed at 250–270°F.

NOTE: Low Melt (LM) adhesives liquefy at lower operating temperatures for bonding heat sensitive surfaces such as bead board and foams.

NOTE: High Temperature (HT) has high temperature resistance.

Lead Markets and Applications



Furniture and Woodworking

Common Assembly: Small Joint Assembly, Large Surface Lamination, Mounting and Trim Attachment

- Great product performance for various small joint, mounting and trim attachment, and large surface lamination assemblies in furniture, upholstery, cabinetry and more.
- Bonds well to wood, particleboard, MDF, laminate, foam, and fabric. Nearly instant bonding strength speeds up production — eliminating the need for clamping and mechanical fasteners.
- Low melt adhesives are available for lower operating temperatures and bonding heat sensitive surfaces.

Lead
Adhesives

3792

Multi-purpose for wood, fabric and many other substrates with a long open time

3792LM

Multi-purpose low melt for heat sensitive surfaces



Transportation and Electrical

Common Assembly: Large Surface Lamination, Sealing, Potting and Encapsulating

- Fast, durable product performance for various small joint, mounting and trim attachment, large surface lamination and potting assemblies for automotive interior and electrical component manufacturing.
- Bonds well to foams, fabrics, non-wovens and difficult surfaces, such as LSE plastics.
- Some products are available as sprayable hot melt. All products can be tested to meet your specification requirements.

Lead
Adhesives

3748

Bonds to plastic with high peel performance; Good thermal shock resistance and non-corrosive to copper; 3748VO is self extinguishing

6111HT

Sprayable hot melt with long open time; High temperature resistant



Packaging and Corrugated Carton Sealing

Common Assembly: Small Joint Assembly

- Quickly bonds and seals any size of corrugated carton invisibly. Durably bonds coated, printed and waxed surface that may be difficult to seal with tape.
- Low melt adhesives are available for lower operating temperatures and bonding heat sensitive surfaces.

Lead Adhesives	3762	Fast-setting with “hot tack”
	3762LM	General purpose, fast setting with “hot tack”



Product Assembly

Common Assembly: Small Joint Assembly, Large Surface Lamination, Mounting and Trim Attachment

- Fast, durable product performance for small joint, mounting and trim attachment, large surface lamination and more.
- Many solutions are available to quickly assemble and attach materials for your design.
- Low melt adhesives are available for lower operating temperatures and bonding heat sensitive surfaces.

Lead Adhesives	3764	Bonds to all plastics, including low surface energy (LSE), flexible at low temp
	3792LM	Multi-purpose low melt for heat sensitive surfaces



Point-of-Purchase, Displays and Trade Exhibits

Common Assembly: Small Joint Assembly, Large Surface Lamination, Mounting and Trim Attachment

- Fast, durable product performance for small joint, mounting and trim attachment, large surface lamination and more.
- Bonds well to wood, foam, fabric, and plastics.
- Low melt adhesives are available for worker-friendly temperatures and bonding heat-sensitive surfaces.

Lead Adhesives	3762LM	General purpose, fast setting with “hot tack”
	3792LM	Multi-purpose low melt for heat sensitive surfaces

3M™ Hot Melt Adhesives

	Product/ Cat #	Color	Features/Application Ideas	Sizes	Stock Number	UPC Number	Case Qty	Billing Unit	
Lead Product Low Melt Technology: Applied 250–270°F (121–132°C)	3762LM*	Light Amber	Excellent "hot tack", fast setting for corrugated, beadboard, recoupage, repacking chipboard and wood. Economical, general purpose. Use with low melt applicator only.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG 1/2" x 12" AE	62-3720-9132-2 62-3720-9830-1 62-3720-9330-2 62-3720-9531-5	0-00-021200-49125-2 0-00-021200-49134-4 0-00-021200-49128-3 0-00-51115-25579-3	11 11 22 11	LBS	
	3776LM	Tan	Bonds variety of plastics, woods and light-gauge metals. Use with low melt applicator only.	5/8" x 8" Q 1" x 3" PG	62-3733-9132-5 62-3733-9330-5	0-00-021200-89499-2 0-00-021200-89501-2	11 22	LBS	
	3792LM*	Clear	Clear, multi-purpose for wood, coated paper, polyolefins and other heat-sensitive materials. P.O.P. displays. Use with low melt applicator only.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG 1/2" x 12" AE	62-3760-9132-8 62-3760-9830-7 62-3760-9330-8 62-3760-9531-1	0-00-021200-82454-8 0-00-021200-82456-2 0-00-021200-83491-2 0-00-051115-25580-9	11 11 22 11	LBS	
	3798LM*	Light Yellow	Removable "gummy glue" for many substrates. Removes easily without residual tack. Use with low melt applicator only.	5/8" x 2" TC	62-3798-9830-7	0-00-021200-41604-0	11	LBS	
Lead Product Hot Melt Technology: Applied 350–385°F (177–196°C)	3731*	Tan	High heat resistance. Bonds plastics including polyethylene, polypropylene.	5/8" x 8" Q 1" x 3" PG	62-3731-9132-9 62-3731-9330-9	0-00-021200-45271-0 0-00-021200-49139-9	11 22	LBS	
	3738*	Tan	High delivery rate and long bonding range. General purpose for foundry sand cores, wood bonding, corrugated, selected plastics and chipboard.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG 1/2" x 12" AE	62-3738-9132-4 62-3738-9830-3 62-3738-9330-4 62-3738-9531-7	0-00-021200-65262-2 0-00-021200-82456-2 0-00-021200-82609-2 0-00-021200-82594-1	11 11 22 11	LBS	
	3747	Tan	General purpose for wide variety of plastics, wood and lightweight metals.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG 1/2" x 12" AE	62-3747-9132-5 62-3747-9830-4 62-3747-9330-5 62-3747-9531-8	0-00-021200-82561-3 0-00-021200-82560-6 0-00-021200-82221-6 0-00-021200-82220-9	11 11 22 11	LBS	
	3748*	Off-White	Good thermal shock resistance. Non-corrosive to copper for many electronic applications. Bonds polyolefins.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG	62-3748-9132-3 62-3748-9830-2 62-3748-9330-3	0-00-021200-76374-8 0-00-021200-82584-2 0-00-021200-82585-9	11 11 22	LBS	
	3748 VO	Light Yellow	Self-extinguishing version of 3748. Meets UL 1410 requirements.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG	62-3768-9132-1 62-3768-9830-0 62-3768-9330-1	0-00-021200-85795-9 0-00-021200-85816-1 0-00-021200-85797-3	11 11 22	LBS	
	3750	Tan	Low viscosity for high flow rate, increased production. Good hot tack, quick grab for packaging and woodworking.	1/2" x 10" AE	62-3726-9531-2	0-00-051111-91711-4	11	LBS	
	3750	Clear	Low viscosity for high flow rate, increased production. Good hot tack, quick grab for packaging and woodworking.	1/2" x 10" AE	62-3729-9531-6	0-00-051111-91712-1	11	LBS	
	3762	Tan	Excellent "hot tack", fast setting for corrugated, beadboard, recoupage, repacking chipboard and wood. Economical, general purpose.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG 1/2" x 12" AE	62-3762-9132-4 62-3762-9830-3 62-3762-9330-4 62-3762-9531-7	0-00-021200-65261-5 0-00-021200-82615-3 0-00-021200-82614-6 0-00-021200-82596-5	11 11 22 11	LBS	
	3764*	Clear	Bonds variety of plastics including polycarbonate, polyethylene, and polypropylene. Flexible at low temperatures.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG 1/2" x 12" AE	62-3764-9132-0 62-3764-9830-9 62-3764-9330-0 62-3764-9531-3	0-00-021200-76054-9 0-00-021200-82599-6 0-00-021200-82598-9 0-00-021200-82597-2	11 11 22 11	LBS	
	3779*	Amber	High heat resistance. High strength. Good fuel and oil resistance. Electronics.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG	62-3779-9132-8 62-3779-9830-7 62-3779-9330-8	0-00-021200-85799-7 0-00-021200-82603-0 0-00-021200-82602-3	11 11 22	LBS	
	3789*	Brown	High performance for plastics. Impact resistant. Bonds vinyl and wood. Good fuel and oil resistance.	5/8" x 8" Q 1" x 3" PG	62-3789-9132-7 62-3789-9330-7	0-00-021200-82369-5 0-00-021200-82371-8	11 22	LBS	
	3792*	Clear	Clear, multi-purpose for wood, corrugated, fabric, furniture, upholstery, novelties, and other lightweight materials.	5/8" x 8" Q 5/8" x 2" TC 1" x 3" PG 1/2" x 12" AE	62-3792-9132-1 62-3792-9830-0 62-3792-9330-1 62-3792-9531-4	0-00-021200-65263-9 0-00-021200-82589-7 0-00-021200-82606-1 0-00-021200-82583-5	11 11 22 11	LBS	
	3797	Off-White	High ball and ring. Low viscosity. Good for electrical potting.	1" x 3" PG 5/8" x 2" TC	62-3797-9330-0 62-3797-9830-9	0-00-021200-82592-7 0-00-021200-82593-4	22 11	LBS	
Lead Product Bulk Only	3794 Hi Tack PSA	Light Tan	Sprayable high tack PSA for bonding plastic, paper, metals, die-cut labels.	Bulk chubs	62-3794-6375-5	0-00-051115-81205-7	30	LBS	
	6111	Tan	Sprayable 100% solventless adhesive for most foams, fabrics, plastics, particle board and thin metal.	0.75" x 0.75" chips	62-6111-9335-0	0-00-021200-96589-0	22	LBS	
	6111HT	Tan, Blue	Similar to 6111 but has higher heat resistance. Available in tan and blue.	0.75" x 0.75" chips	62-6115-9335-1 62-6113-9335-6 62-6113-9339-8 62-6115-9339-3	0-00-021200-49935-7 0-00-021200-43779-3 0-00-021200-56567-0 0-00-021200-56568-7	22 22 850 850	LBS	
	6116	Off-White	Similar to 6111 but lower than normal viscosity and mainly used on fabrics.	0.75" x 0.75" chips	62-6116-9335-9	0-00-021200-49924-1	22	LBS	

*Also available in bulk.

1 – Made from components listed as indirect food additives under FDA regulations for adhesives (21 CFR 175.105) 2 – Brookfield Thermosel Viscometer in Centipoise
 3 – ASTM E-28-6-7 4 – Highest temperature that the adhesive will support a 2 psi dead load 5 – Canvas to Douglas Fir 6 – Douglas Fir to Douglas Fir
 7 – 1/8" semicircular bead, Douglas Fir to Douglas Fir