Science.
Applied to Life.™

Fast setting adhesives. Applied for speed and durability.

3M™ Hot Melt Adhesive Systems

3M™ Hot Melt Adhesives Made Simple

3M™ Hot Melt Adhesives aim to make your operations faster and more efficient in 2 Easy Steps.

3M™ Hot Melt Adhesives offer many benefits for success with a variety of assembly and/or closure applications. With just a limited number of adhesive solutions you can address many of your application needs.

- Easy to use and provide durability, flexibility and speed in your manufacturing processes
- Bonds to a variety of surfaces
- Can improve the appearance versus mechanical fasteners
- Solvent-free and 100% solids which may help your business reduce VOC emissions

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.

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

Hot Melt Adhesive is dispensed at 350–385°F (177–196°C).

Low Melt Adhesive is dispensed at 250–270°F (121–132°C).

Select Your Substrate

Wood

3792

- Multi-purpose adhesive that bonds well to wood, particle board, MDF, and laminate
- Long open time
- Low melt version available for heat sensitive surfaces

Foam/ Fabric

6111HT

- Bonds wide variety of substrates, including most foams, plastics, particle board, light gauge metals
- Immediate initial strength and tack to substrates
- Sprayable thermoplastic adhesive

Paper

3762

- Quickly bonds and seals corrugated cartons
- Bonds coated, printed and waxed surfaces that may be difficult to tape
- Low melt version available for heat sensitive surfaces

Metal

3747

- Long open times allow for easy use on large assemblies and large surfaces
- Adhesive sets and obtains strength in seconds
- Ideal for general industrial applications

Plastic

3764

- Designed for plastics and polyolefin polymers bonding with low temperature
- Adhesive sets and obtains strength in seconds

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.

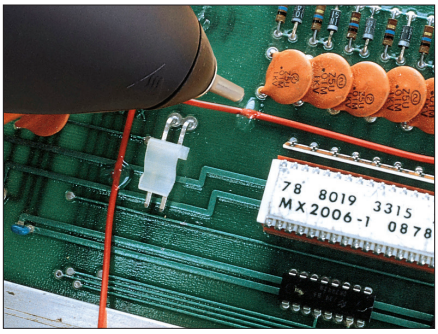
Lead Markets and Applications

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 and Sealing

- 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.

Metalworking

Common Assembly: Mounting and Trim Attachment

- Ideal for bonding to a variety of substrates
- Provides good heat resistance
- To get the ideal quality adhesion please heat the metal surface to 60–80°C before applying hot melts; Note: Metal should be clean and dry before applying the adhesives

Lead Adhesives						
	3747	Creates a strong, tough bond for a variety of substrates, including many plastics, wood and lightweight metals. Designed to be flexible, easing the process of application.	**3789**	A go-to for high performance metal bonding, glass, plastics, vinyl, wood and other surfaces. Features impact resistance for durability and strength.	**6111HT**	Ideal for metal to insulation material applications.

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	Legacy SKU	SAP SKU	Case Qty.	Billing Unit
Low Melt Technology: Applied 250–270°F (121–132°C)	**3762LM*** Lead Product	Light Amber	Excellent "hot tack", fast setting for corrugated, beadboard, recouperage, 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	7100025246 7000121330 7000121328 7000121329	11 11 22 11	LBS
	3792LM* Lead Product	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	7000000880 7000121341 7100020424 7100042234	11 11 22 11	LBS
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	7100009195 7100020337	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	7100008738 7100009196 7100020456 7100023046	11 11 22 11	LBS
	3747 Lead Product	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	7000000877 7000121336 7100020458 7100020323	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	7000000878 7000000879 7100005566	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	7000000887 7000121345 7010330271	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	7000121331	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	7000046499	11	LBS
	3762 Lead Product	Tan	Excellent "hot tack", fast setting for corrugated, beadboard, recouperage, 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	7100023053 7100020333 7000046513 7100023019	11 11 22 11	LBS
	3764* Lead Product	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	7100008178 7000000886 7000000884 7000000885	11 11 22 11	LBS
	3779*	Amber	High heat resistance. High strength. Electronics wire attachment.	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	7000000888 7000000890 7100009192	11 11 22	LBS
	3789*	Brown	High performance for plastics. Impact resistant. Bonds vinyl and wood.	5/8" x 8" Q 1" x 3" PG	62-3789-9132-7 62-3789-9330-7	7100008737 7100020457	11 22	LBS
	3792* Lead Product	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	7000000891 7100020336 7100020334 7100020335	11 11 22 11	LBS
	3797	Off-White	High ball and ring. Low viscosity. Good for electrical potting.	5/8" x 2" TC 1" x 3" PG	62-3797-9830-9 62-3797-9330-0	7000121350 7000000892	11 22	LBS
Bulk Only	**6111HT** Lead Product	Tan, Blue	Sprayable hot melt adhesive, bonds to polyurethane foam, felt, fabric and lightweight aluminum. 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	7100069028 7100023018 7010292724 7010309934	22 22 850 850	LBS

*Also available in bulk.
**Initial starting point for temperature modules.

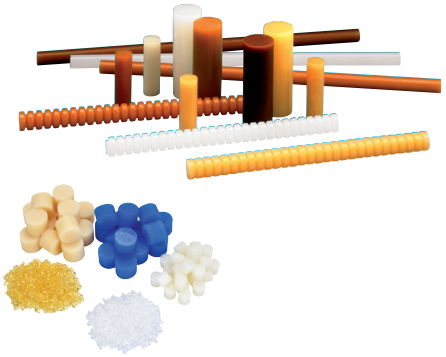
1. Brookfield Thermosel Viscometer in Centipoise; 2. Douglas Fir to Douglas Fir; 3. 1/8" semicircular bead, Douglas Fir to Douglas Fir;
4. Made from components listed as indirect food additives under FDA regulations for adhesives (21 CFR 175.105).

EC Temp Control Modules**	Viscosity CPS[1]	Delivery Time 3" Length of Stick Type (sec.)	Shear Strength PSI[2] 72°F (22°C)	Open Time 1/8" Bead[3] (sec.)	FDA Listed[4]	UL 94 Listing
N/A	4,000 @ 250°F	Q-TBD TC-TBD PG-45 AE-10	Fir: 375	25	Yes	N/A
N/A	10,500 @ 250°F	Q-15 TC-TBD PG-60 AE-TBD	Fir: 280	40	Yes	V2
420°F (215°C)	12,000 @ 375°F	Q-30 PG-65	Fir: 490 PP: 430	30	—	N/A
400°F (205°C)	2,875 @ 375°F	Q-TBD TC-15 PG-35 AE-TBD	Fir: 350	50	Yes	V2
400°F (205°C)	4,100 @ 375°F	Q-15 TC-TBD PG-45 AE-TBD	Fir: 430 Steel: 410 PVC: 410	45	Yes	N/A
400°F (205°C)	5,750 @ 356°F	Q-25 TC-TBD PG-65	Fir: 250	30	Yes	V2
400°F (205°C)	5,500 @ 392°F	Q-30 TC-TBD PG-65	Fir: 205	30	—	VO
N/A	2,550 @ 375°F	AE-6	500, TBD	30	—	N/A
N/A	4,100 @ 375°F	AE-10	250, TBD	30	—	N/A
350°F (180°C); 380°F (195°C)	4,650 @ 300°F	Q-15 TC-TBD PG-30 AE-TBD	545	35	Yes	V2
400°F (205°C)	6,000 @ 375°F	Q-20 TC-TBD PG-55 AE-TBD	390	30	Yes	V2
420°F (215°C)	7,000 @ 375°F	Q-TBD TC-TBD PC-75	700	25	Yes	N/A
420°F (215°C)	5,200 @ 375°F	Q-25 PG-70	570	50	Yes	V2
400°F (205°C)	5,000 @ 375°F	Q-15 TC-TBD PG-45 AE-TBD	250	<50	Yes	V2
350°F (180°C)	3,600 @ 350°F	TC-20 PG-55	PP: 330	30	Yes	V2
N/A	2,500–4,500 @ 375°F	N/A	PP: 300	1 surface: 180 2 surface: 480	—	N/A

Note: The technical information and data on these pages should be considered representative or typical only and should not be used for specification purposes.

Selecting the Right System — Made Simple

3M™ Hot Melt Applicators Systems are trusted solutions that are engineered to help you improve productivity, lower cost and minimize waste in industrial applications. From high volume to detail work, 3M Hot Melt Applicators are uniquely designed to ensure optimum performance through melt-on-demand or progressive feed technology for your production needs. 3M™ Hot Melt Adhesives are designed and precisely manufactured for use in a 3M Hot Melt Applicator. When paired together, they work as a system, providing optimal performance for your design needs.



Easy to Use

Product	Temp	Legacy SKU	SAP SKU	Voltage	Plug Type	Weight[1]	Output[2] (lb/hr)	Power (120V)	Heater	Temp Control	Operating Temp	Packaging
3M™ Hot Melt Applicator AE, Gen II	Low	62979999315	7100278635	110–230V	US	16.8 oz	4	25W (250W)	PTC self-regulating heater	Self-regulating heater	265°F (130°C)	1/case
	Regular	62979999315	7100278995								380°F (195°C)	

- Narrow profile for better visibility to help with accuracy
- Adjustable trigger for different outputs per trigger pull, or to suit different hand sizes
- Sturdy base keeps the tool upright when not in use so glue does not melt back
- Easy to clean nozzle

AE Stick

1/2" (12mm) x 10"
1/2" (12mm) x 12"

Hot Melt

Speed

Product		Stock No.	SAP SKU	Weight[1]	Output[2]	Temp[3]	Power (120V)	Packaging
3M™ Hot Melt Applicator PG II	Cartridge Feed*	62-9938-9630-7	7000121615	4.3 lb.	7.5 lb./hr	385°F (196°C)	500W	1/case
	Magazine Feed*	62-9938-9830-3	7000121616					
3M™ Hot Melt Applicator PG II LT	Cartridge Feed*	62-9783-9630-7	7000121604	4.3 lb.	6.0 lb./hr	265°F (129°C)	500W	
	Magazine Feed*	62-9783-9830-3	7000121605					

- Supports high-volume demands
- Rear cartridge feed port provides easy loading and continuous flow of adhesive
- Convenient stands hold applicator in proper standby or hands free position

PG Stick

1" (25.4mm) x 3"

Hot Melt

Low Melt

*Cartridge Feed holds up to 2 adhesive sticks (1" x 3") and the applicator holds 3 more in the chamber for a total of 5.
Magazine Feed holds up to 9 adhesive sticks (1" x 3") and the applicator holds 3 more in the chamber for a total of 12.

Improve Productivity

Lower Cost

Minimize Waste

Detail Work

Product	Temp	Legacy SKU	SAP SKU	Voltage	Plug Type	Weight[1]	Output[2] (lb/hr)	Power (120V)	Heater	Temp Control	Operating Temp	Packaging
3M™ Hot Melt Applicator TC/TC-Q, Gen II Lead Product	Low	62999099401	7100278634	110–230V	US	16.8 oz	4	25W (250W)	PTC	Self-regulating heater	265°F (130°C)	1/case
	Regular	62999099393	7100278633								380°F (195°C)	
3M™ Hot Melt Applicator TC/TC-Q, Gen II CE	Low	UU011442793	7100255832	110–230V	EU	16.8 oz	4	N/A			265°F (130°C)	
	Regular	UU011442785	7100255953								380°F (195°C)	
3M™ Hot Melt Applicator TC/TC-Q, Gen II CE	Low	UU011442769	7100255955	110–230V	UK	16.8 oz	4	N/A			265°F (130°C)	
	Regular	UU011442777	7100255954								380°F (195°C)	
3M™ Hot Melt Applicator TC/TC-Q, Gen II	Low	62999099427	7100288163	110–230V	AU/NZ	16.8 oz	4	N/A			265°F (130°C)	
	Regular	62999099419	7100288165								380°F (195°C)	

- Soft-feel handle to improve user comfort
- Adjustable bolt to control trigger and pull length to fit different hand sizes
- Sturdy base so the applicator can remain upright and reduce the risk of adhesive melting back
- Illuminated power switch with moulding to prevent unintended powering on or off
- Easy to clean nozzle safety cap
- Removable base with built in nozzle spanner

TC or Quadrack Stick

5/8" (15.87mm) x 2"
5/8" (15.87mm) x 8"

Hot Melt

Low Melt

Flexibility

Product	Legacy SKU	SAP SKU	Voltage	Plug Type	Weight[1]	Output[2] (lb/hr)	Power (120V)	Heater	Temp Control	Operating Temp[3]	Packaging
3M™ Hot Melt Applicator EC, Gen II	62968099382	7100279263	120V	US	22.5 oz	6	300W	Cartridge	Electronic plug-in temperature modules	320°F (160°C) 356°F (180°C) 380°F (193°C) 401°F (205°C) 419°F (215°C)	1/case
3M™ Hot Melt Applicator EC, Gen II CE	UU012378806	7100279264	220V	EU	22.5 oz	6	N/A				
3M™ Hot Melt Applicator EC, Gen II CE	UU012378798	7100279262	240V	UK	22.5 oz	6	N/A				

- Electronic temperature control with standby feature
- Trigger temperature boost on tool wake-up reducing wait time and driving productivity
- Full length trigger for user comfort

EC Stick

5/8" (15.87mm) x 8"

Hot Melt

Low Melt

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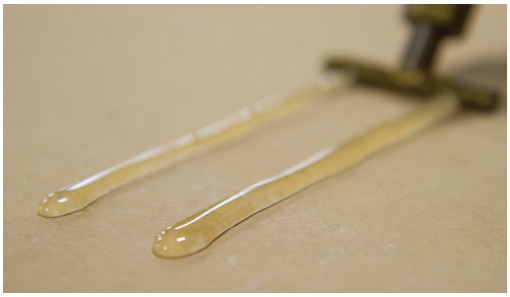
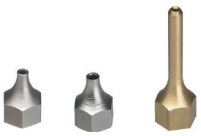
Note: Reference the owner manuals for replacement parts or warranty details.

Accessories to Improve Productivity

3M™ Hot Melt Applicator Accessories and Parts are designed to offer versatility, when dispensing 3M Hot Melt Adhesives. These accessories and parts maximize the use of 3M Hot Melt Adhesives with our legacy and new Hot Melt applicators, improving productivity, optimizing precision, and reducing waste in your assembly process.



Product/Cat #		Description	Stock Number	UPC Number	Case Qty	Billing Unit
9725*	9725	0.072" Mini Extension Tip	62-9725-9930-2	0-00-021200-21786-9	3	CS
9729*		High Viscosity Valve (TC, EC, PG II)	62-9729-9930-4	0-00-021200-64840-3	3	CS
9785*	9729 9785	0.07" Tapered Aluminum Extension	62-9785-9930-6	0-00-021200-82554-5	3	CS
9921*		0.090" Fluted Tip	62-9921-0066-9	0-00-021200-21840-8	3	CS
9940*	 9921 9940 9946	0.125" Fluted Tip	62-9940-6920-1	0-00-021200-22036-4	3	CS
9946		0.072" Brass Extension	62-9946-6980-2	0-00-021200-22040-1	3	CS

*Applicator tips will work with all of the all of the new 3M™ Hot Melt Applicators – GEN II and the legacy 3M™ Hot Melt Applicators, excluding the AE II.

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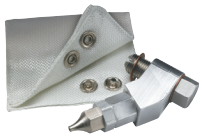
Note: Reference the owner manuals for replacement parts or warranty details.

Product/Cat #		Description	Stock Number	UPC Number	Case Qty	Billing Unit
9945 PGIIBhSd **3M™ Hot Melt Applicator** **Heavy Duty Benchstand**		For use with PG II and PG II LT	62-9945-9930-6	0-00-021200-22039-5	1	CS
9276 **3M™ Hot Melt Applicator** **Bench Mount**		Includes bench nozzle assembly (Does not include applicator)	62-9276-9930-6	0-00-021200-82277-3	1	CS
9233 **3M™ Hot Melt Applicator** **PGII and PGIILT Bench** **Mount Assembly**		For use with bench mounted applicator	62-9233-2781-1	0-00-021200-21713-5	1	CS
9277 **3M™ Hot Melt Applicator** **Foot Pedal Assembly**		For use with bench mounted applicator	62-9277-9930-4	0-00-021200-82278-0	1	CS

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Note: Reference the owner manuals for replacement parts or warranty details.

For more products and information, visit 3M.com/HotMeltAdhesives or call 1-800-362-3550.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING,CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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