



Technical Data Sheet

3M™ Hi-Temperature Polystyrene Foam Insulation 78 HT Spray Adhesive (Cylinder)



[Regulatory Info/SDS](#)

Product Description

A high strength, high temperature resistant, industrial grade spray adhesive with a long open time designed for bonding most types of insulation such as fiberglass, expanded polystyrene foam, and extruded polystyrene foam.

Product Features

- It can permanently bond polystyrene foam, both expanded and extruded, to itself as well as many other materials, without degrading the foam.
- Capable of both one and two surface bonding.

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 Uncured Physical Properties

Attribute Name	Value
Density	5.8 lb/gal

Typical Physical Properties

Attribute Name	Value
Color	Blue
Solids Content by Weight	15 %
Base	Synthetic Elastomer
Dry Time	1 – 2 min ¹
Spray Pattern	Lace
Flammable Solvent	Yes
Flammable Propellant	Yes
Coverage	27.2 ft ² ²
Bonding Range	1-60 min
SCAQMD 1168 Compliant	No
VOC	601 g/L
Hazardous Air Pollutants (HAPS)	< 0.1 % by weight

¹ Dry time will depend on ambient temperature, humidity and coverage applied.

² @ 2.5 gms /ft² per lb (sqft)

Typical Performance Characteristics

Attribute Name	Value
Shear Adhesion Failure Test - SAFT	250 °F ¹

¹ SAFT Shear Adhesion Failure Test with birch plywood, 1 inch overlap, 100 grams used, temperature start at 90°F and ramped 10°F every 10 min. until complete failure.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original, unopened packaging, out of direct sunlight. Lower temperatures cause increased viscosity of a temporary nature. For best performance, use this product within 21 months from date of manufacture.

Available Sizes - Detailed

Container Size	3M Stock Number	UPC Number
Mini Cylinder – 8.5 lbs.	62-4928-8010-9	0-051115-31593-0
Large Cylinder – 28.5 lbs.	62-4928-8030-7	00-051115-31594-7
Intermediate Cylinder – 138.6 lbs.	62-4928-8150-3	00-051115-31595-4
Jumbo Cylinder – 287.1 lbs.	62-4928-8300-4	00-051115-31596-1
5 gallon pail – 29 lbs.	62-4908-8530-8	00-051111-07571-5
54 gallon drum – 313.2 lbs.	62-4908-9530-7	00-051111-07572-2

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

Automotive Disclaimer

Select Automotive Applications:

This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

Information

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and 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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 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, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 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 for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

3M is a trademark of 3M Company.
The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark owned by Air Quality Sciences, Inc. and used under license through the Greenguard Environmental Institute.
LEED® is a registered trademark of the United States Green Building Council (USGBC).
©3M 2024 (6/24)