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English-US

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Technical Data Sheet

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

Product Details

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 ft² [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] @ 27 g/m² (2.5 g/ft²)

Typical Performance Characteristics

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

[1] SAFT Shear Adhesion Failure Test with birch plywood, 25 mm (1 in) overlap, 100 g used, temperature start at 32 °C (90 °F) and ramped 5.5 °C (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

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