



# Technical Data Sheet

## 3M™ Hi-Strength 90 Spray Adhesive (Cylinder)



[Product Details](#)



[Regulatory Info/SDS](#)

### Product Description

An industrial grade spray adhesive that is typically used for bonding HPL to wood.

### Product Features

- A high strength, fast, contact-type adhesive
- Excellent adhesive for decorative laminates, particleboard, and many other materials, even polyethylene, polypropylene, and SBR rubber
- Has excellent heat resistance

### 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	5.7 lb/gal

### Typical Physical Properties

Attribute Name	Value
Color	Translucent
Solids Content by Weight	13 %
Base	Synthetic Elastomer
Dry Time	1 min <sup>1</sup>
Spray Pattern	Lace
Flammable Solvent	Yes
Flammable Propellant	Yes
Coverage	23.6 ft <sup>2</sup> <sup>2</sup>
Bonding Range	1-10 min
SCAQMD 1168 Compliant	No
VOC	571 g/L
Hazardous Air Pollutants (HAPS)	0 % by weight

<sup>1</sup> Dry time will depend on ambient temperature, humidity and coverage applied.

<sup>2</sup> @ 27 g/m<sup>2</sup> (2.5 g/ft<sup>2</sup>)

### Typical Performance Characteristics

Attribute Name	Value
Shear Adhesion Failure Test - SAFT	250 °F <sup>1</sup>

<sup>1</sup> 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
24 Fl. Oz. (Net Wt. 17.6 oz) - Aerosol	62-4942-4950-1	00-021200-30023-3
24 Fl. Oz. (Net Wt. 16.9 oz) – Inverted Aerosol	62-4942-4970-9	00-051111-07278-3
Large Cylinder – 28.8 lbs.	62-4994-8030-9	00-021200-41554-8
Intermediate Cylinder – 141.6 lbs.	62-4994-8150-5	00-051115-25774-2
Jumbo Cylinder – 283.2 lbs.	62-4994-8300-6	00-051115-25775-9
5 gallon pail – 32.5 lbs.	62-4479-8532-6	00-021200-43797-7
54 gallon drum – 338 lbs.	62-4479-9532-5	00-021200-43814-1

## **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.

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