



# Technical Data Sheet

3M™ Plastic Adhesive 2262



Product Details



Regulatory Info/SDS

## Product Features

- 3M™ Plastic Adhesive 2262 is a high strength adhesive with exceptional resistance to plasticizer migration and bonds vinyl extrusions, flexible and rigid vinyls.
- Plastic Adhesive 2262 dries clear, is non-staining and features a very quick tacking, relatively short bonding range.

## 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
Net Weight	7.1 — 7.5 lb/gal
Base	Synthetic Resin

## Typical Physical Properties

Attribute Name	Temperature	Value
Color		Clear
Solids Content by Weight		25 — 28 %
Carrier Solvent		Acetone, THF
Flash Point		-18 °C (0 °F)
Viscosity	27 °C (80 °F)	375 — 675 cP <sup>1</sup>

<sup>1</sup> Brookfield Viscometer RVF #2 spindle @ 20 rpm

## Typical Performance Characteristics

### 180° Peel Adhesion

Dwell Time	Temperature	Substrate	Value
24 h	22 °C (72 °F)	Aluminum	136 oz/in (s) <sup>1</sup>
24 h	22 °C (72 °F)	Aluminum	240 oz/in (s) <sup>1</sup>
24 h	22 °C (72 °F)	Glass	136 oz/in (s) <sup>1</sup>
24 h	22 °C (72 °F)	Glass	240 oz/in (v) <sup>1</sup>
24 h	22 °C (72 °F)	Maple	168 oz/in (s) <sup>1</sup>
24 h	22 °C (72 °F)	Maple	248 oz/in (v) <sup>1</sup>
24 h	22 °C (72 °F)	Polyester (PET)	120 oz/in (s) <sup>1</sup>
24 h	22 °C (72 °F)	Polyester (PET)	256 oz/in (v) <sup>1</sup>
24 h	22 °C (72 °F)	Steel	112 oz/in (s) <sup>1</sup>
7 d	22 °C (72 °F)	Aluminum	304 oz/in (s) <sup>1</sup>
7 d	22 °C (72 °F)	Aluminum	304 oz/in (v) <sup>1</sup>
7 d	22 °C (72 °F)	Glass	240 oz/in (s) <sup>1</sup>
7 d	22 °C (72 °F)	Glass	288 oz/in (v) <sup>1</sup>
7 d	22 °C (72 °F)	Maple	320 oz/in (s) <sup>1</sup>

Dwell Time	Temperature	Substrate	Value
7 d	22 °C (72 °F)	Maple	280 oz/in (v) <sup>1</sup>
7 d	22 °C (72 °F)	Polyester (PET)	232 oz/in (s) <sup>1</sup>
7 d	22 °C (72 °F)	Polyester (PET)	256 oz/in (v) <sup>1</sup>
7 d	22 °C (72 °F)	Steel	272 oz/in (s) <sup>1</sup>
7 d	60 °C (140 °F)	Aluminum	TV oz/in <sup>1</sup>
7 d	60 °C (140 °F)	Aluminum	208 oz/in (v) <sup>1</sup>
7 d	60 °C (140 °F)	Glass	TV oz/in <sup>1</sup>
7 d	60 °C (140 °F)	Maple	TV oz/in <sup>1</sup>
7 d	60 °C (140 °F)	Maple	224 oz/in (v) <sup>1</sup>
7 d	60 °C (140 °F)	Polyester (PET)	336 oz/in (s) <sup>1</sup>
7 d	60 °C (140 °F)	Polyester (PET)	224 oz/in (v) <sup>1</sup>
7 d	60 °C (140 °F)	Steel	320 oz/in (s) <sup>1</sup>

<sup>1</sup> 180° peel @ 2 in/min  
Bonding vinyl (~30 pph plasticizer), mated after 3-5 min while surfaces tacky.  
Adhesion varies with different plasticizer.

c: Cohesive failure  
s: Substrate adhesive failure  
v: Failed vinyl adhesion  
TV: Vinyl tore first

## Typical Environmental Performance

### 180° Peel Adhesion

Temperature: 22 °C (72 °F)

Dwell Time: 7 d

Environmental Condition: 100%RH

Substrate	Value
Glass	0 oz/in (s) <sup>1</sup>
Aluminum	TV oz/in <sup>1</sup>
Polyester (PET)	272 oz/in (s) <sup>1</sup>
Aluminum	192 oz/in (s) <sup>1</sup>
Glass	0 oz/in (s) <sup>1</sup>
Maple	TV oz/in <sup>1</sup>
Maple	272 oz/in (v) <sup>1</sup>
Polyester (PET)	208 oz/in (v) <sup>1</sup>
Steel	272 oz/in (s) <sup>1</sup>

<sup>1</sup> 180° peel @ 2 in/min  
Bonding vinyl (~30 pph plasticizer), mated after 3-5 min while surfaces tacky.  
Adhesion varies with different plasticizer.

c: Cohesive failure  
s: Substrate adhesive failure  
v: Failed vinyl adhesion  
TV: Vinyl tore first

## **Handling/Application Information**

### **Directions for Use**

1. Surface Preparation: Surfaces must be clean, dry and dust free. Wiping with a solvent such as methyl ethyl ketone (MEK)\* will aid in removing oil and dirt.
2. Application Temperature: For best results, the temperature of the adhesive and the surfaces being bonded should be at least 65°F (18°C).
3. Application: Brush a uniform coat of adhesive on both surfaces.
4. Drying Time: Allow adhesive to dry until tacky but does not transfer to knuckle when touched (typically about 5 minutes depending on temperature, humidity, etc).
5. Bonding: When the adhesive dries to the tacky stage, you have up to 20 minutes to complete the bond. Combine the surfaces using firm pressure to ensure good contact.
6. Cleanup: Excess adhesive may be removed with a solvent such as methyl ethyl ketone (MEK),\* preferably while the adhesive is still wet.

\*Note: When using solvents, extinguish all ignition sources and follow the manufacturer's precautions and directions for use.

### **Application Equipment**

**Note:** Appropriate application equipment enhances adhesive performance. We suggest the following application equipment for the user's evaluation in light of the user's particular purpose and method of application.

1. Pumping:
  - A. 5 gallon pail dispensing system: Use a 2:1 ratio divorced design, double acting ball check type pump, 3 oz. per cycle, 2 inch air motor, syphon feed.
  - B. 55 gallon dispensing system: Use a 2:1 ratio divorced design double acting ball check type pump, 3 oz. per cycle, 2 inch air motor, bung mounted.Glands and packings in contact with adhesive should be PTFE.
2. Hoses: Fluid hoses should be 200 psi working pressure minimum, nylon lined.
3. Brushes: Brushes designed to be used with oil based paints may be used.

## **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 30 months from date of manufacture.

## **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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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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