

March, 2015

## 3M™ Plastic Adhesive 2262

### 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 Physical Properties**

Property	Values		Test Condition	Notes
Color	Clear			
Solids Content by Weight	25 to 28 %			
Flash Point	-18 °C	0 °F		
Solvent	Acetone, THF			
Viscosity	375 to 675 cP		80°F(27°C)	Brookfield Viscometer RVF #2 spindle @ 20 rpm

**Typical Uncured Physical Properties**

Property	Values
Base	Synthetic Resin
Net Weight	7.1 to 7.5 lb/gal

**Typical Performance Characteristics**

Peel Strength (Unsupported Vinyl)	Dwell/Cure Time	Substrate
{112,s} oz/in	1 day @ Room Temperature	Steel
{272,s} oz/in	7 days @ Room Temperature	Steel
{320,s} oz/in	Plus 7 days @ 140°F	Steel
{272,s} oz/in	Plus 7 days @ 100% RH	Steel
{136,s} oz/in	1 day @ Room Temperature	Glass
{240,s} oz/in	7 days @ Room Temperature	Glass
TV oz/in	Plus 7 days @ 140°F	Glass
{0,s} oz/in	Plus 7 days @ 100% RH	Glass
{136,s} oz/in	1 day @ Room Temperature	Aluminum
{304,s} oz/in	7 days @ Room Temperature	Aluminum
TV oz/in	Plus 7 days @ 140°F	Aluminum
TV oz/in	Plus 7 days @ 100% RH	Aluminum

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## Typical Performance Characteristics (continued)

Peel Strength (Unsupported Vinyl)	Dwell/Cure Time	Substrate
{120,s} oz/in	1 day @ Room Temperature	Polyester (PET)
{232,s} oz/in	7 days @ Room Temperature	Polyester (PET)
{336,s} oz/in	Plus 7 days @ 140°F	Polyester (PET)
{272,s} oz/in	Plus 7 days @ 100% RH	Polyester (PET)
{168,s} oz/in	1 day @ Room Temperature	Wood - Maple
{320,s} oz/in	7 days @ Room Temperature	Wood - Maple
TV oz/in	Plus 7 days @ 140°F	Wood - Maple
TV oz/in	Plus 7 days @ 100% RH	Wood - Maple

## Property: Peel Strength (Unsupported Vinyl)

notes: 3M™ Plastic Adhesive 2262 was used to bond unsupported vinyl (a clad grade containing approximately 30 phr DOP\*) and supported vinyl to various substrates. Bonds were made by brush coating both surfaces; when the vinyl coated surface was slightly tacky (approximately 3-5 minutes), both surfaces were mated together and rolled to insure good contact. The bonds were subjected to various aging conditions and tested in 180° peel at a rate of 2 inches per minute. Note: The above adhesion values will vary for other grades of vinyl depending upon the amount and type of plasticizer present. \*30 parts per hundred resin of dioctyl phthalate plasticizer. c - Adhesive failed cohesively s - Bond failed in adhesion to indicated substrate v - Bond failed in adhesion to vinyl TV - Vinyl tore before bond failed

Peel Strength (Supported Vinyl)	Dwell/Cure Time	Substrate
{240,v} oz/in	1 day @ Room Temperature	Glass
{288,v} oz/in	7 days @ Room Temperature	Glass
{256,v} oz/in	Plus 7 days @ 140°F	Glass
{0,s} oz/in	Plus 7 days @ 100% RH	Glass
{240,s} oz/in	1 day @ Room Temperature	Aluminum
{304,v} oz/in	7 days @ Room Temperature	Aluminum
{208,v} oz/in	Plus 7 days @ 140°F	Aluminum
{192,s} oz/in	Plus 7 days @ 100% RH	Aluminum
{256,v} oz/in	1 day @ Room Temperature	Polyester (PET)
{256,v} oz/in	7 days @ Room Temperature	Polyester (PET)
{224,v} oz/in	Plus 7 days @ 140°F	Polyester (PET)
{208,v} oz/in	Plus 7 days @ 100% RH	Polyester (PET)
{248,v} oz/in	1 day @ Room Temperature	Wood - Maple
{280,v} oz/in	7 days @ Room Temperature	Wood - Maple
{224,v} oz/in	Plus 7 days @ 140°F	Wood - Maple

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**Typical Performance Characteristics (continued)**

Peel Strength (Supported Vinyl)	Dwell/Cure Time	Substrate
{272,v} oz/in	Plus 7 days @ 100% RH	Wood - Maple

Property: Peel Strength (Supported Vinyl)

notes: 3M™ Plastic Adhesive 2262 was used to bond unsupported vinyl (a clad grade containing approximately 30 phr DOP\*) and supported vinyl to various substrates. Bonds were made by brush coating both surfaces; when the vinyl coated surface was slightly tacky (approximately 3-5 minutes), both surfaces were mated together and rolled to insure good contact. The bonds were subjected to various aging conditions and tested in 180° peel at a rate of 2 inches per minute.

Note: The above adhesion values will vary for other grades of vinyl depending upon the amount and type of plasticizer present. \*30 parts per hundred resin of dioctyl phthalate plasticizer. c - Adhesive failed cohesively s - Bond failed in adhesion to indicated substrate v - Bond failed in adhesion to vinyl TV - Vinyl tore before bond failed

**Handling/Application Information****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.

**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.

**Storage and Shelf Life**

Store product at 60-80°F (15-26°C) for maximum storage life. Higher temperatures reduce normal storage life. Lower temperatures cause increased viscosity of a temporary nature. Rotate stock on a "first-in first-out" basis.

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 30 months from date of manufacture.

**Trademarks**

3M is a trademark of 3M Company.

**References****Safety Data Sheet (SDS)**

[https://www.3m.com/3M/en\\_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en\\_US&co=ptn&q=2262](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=2262)

**ISO Statement**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

## 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 or (651) 737-6501.

## Technical Information

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