

# 3M

# Scotch-Grip™

## Plastic Adhesive

### 2262

Technical Data

October, 2002

#### Features

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

#### Typical Physical Properties

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

Viscosity (approx.):	375 - 675 cps
Brookfield Viscometer:	RVF #2 Sp. @ 20 rpm @ 80°F (27°C)
Solids (by wt.):	25 - 28%
Base:	Synthetic Resin
Color:	Clear
Net weight (approx.):	7.1 - 7.5 lbs./gal.
Flash point:	0°F (-18°C)
Solvent:	Acetone, THF

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### Handling/Application Information

#### Directions for Use:

1. **Surface Preparation:** Surfaces must be clean, dry and dust free. Wiping with solvent such as 3M™ Scotch-Grip™ Solvent No. 3 or 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 solvent such as Scotch-Grip Solvent No. 3 or 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.

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### Application Equipment Suggestions

**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 Teflon.\*  
\*Teflon is a registered trademark of E.I. Dupont deNemours, Co.
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.

# 3M™ Scotch-Grip™ Plastic Adhesive 2262

**Typical Adhesive  
Performance  
Characteristics**

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

**Peel Strength and Adhesion**

3M™ Scotch-Grip™ 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.

**Peel Strength (piw)**

**Unsupported Vinyl:**

Aging Conditions				
Substrate	1 Day @ R.T.	7 Days @ R.T.	Plus 7 Days @ 140°F	Plus 7 Days @ 100% R.H.
Steel	7 s	17 s	20 s	17 s
Glass	8½ s	15 s	TV	0 s
Aluminum	8½ s	19 s	TV	TV
Polyester	7½ s	14½ s	21 s	17 s
Wood (Maple)	10½ s	20 s	TV	TV

**Supported Vinyl:**

Aging Conditions				
Substrate	1 Day @ R.T.	7 Days @ R.T.	Plus 7 Days @ 140°F	Plus 7 Days @ 100% R.H.
Glass	15 v	18 v	16 v	0 s
Aluminum	15 s	19 v	13 v	12 s
Polyester	16 v	16 v	14 v	13 v
Wood	15½ v	17½ v	14 v	17 v

Code: 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

**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.

**Storage**

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.

**Shelf Life**

When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 15 months.

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### 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.

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### For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/adhesives](http://www.3M.com/adhesives). Address correspondence to: 3M Industrial Adhesives and Tapes Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



### Industrial Adhesives and Tapes Division

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