



# Supergrip® 1582-082

## One-Component, Moisture-Curing Urethane Adhesive

### KEY FEATURES

- Good green strength and aggressive tack for rapid fixturing
- High heat resistance
- Aggressive bonds to a wide variety of substrates

### DESCRIPTION

Supergrip (SG) 1582-082 is a solvent-free, one-component, moisture curing urethane adhesive. This product, supplied in solid form, is applied like that of a bulk hot melt adhesive. Once dispensed, the adhesive will react with ambient moisture to yield a cross-linked thermoset adhesive. Heat is not required for cure to occur. SG1582-082 provides high tack and rapid strength development upon application from the molten state. It exhibits good adhesion to a variety of substrates including flexible vinyl, wood, ABS, fiberboard, HPL, steel, and polyurethane foam, and most plastics.

### KEY BENEFITS

- Fast processing time
- Suitable for use with various type of application equipment
- Accommodates bonding of dissimilar substrates

### SHELF LIFE

Shelf life is twelve months @ 50-95°F (10-35°C) in unopened factory sealed containers. Due to product moisture sensitivity, shipping containers must be kept tightly sealed and opened just prior to product use.

### APPLICATION TECHNIQUES

Typical application temperature range is 230°F – 248°F (110°C – 120°C). Refer to the product MSDS prior to use at temperatures greater than 130°C.



### TYPICAL PHYSICAL PROPERTIES

Description	Results
Color	Off-White
Solids	100%
Viscosity (Brookfield RVT & Thermosel)	6,500 cP @ 250°F (121°C)
Density	9.6 lbs/gal (1.15 g/cc)
Open Time (10 mil film, 25°C, 50% RH)	>10 minutes
Cure Time (10 mil film, 25°C, 50% RH)	7- 10 days
Tensile Strength	1750 psi
Elongation	860 %
SAFT Heat Resistance	403°F (206°C)
Water Resistance	Excellent
Chemical Resistance	Excellent
Suggested Application Temperature	230°F – 248°F (110°C – 120°C)

Adhesive application is best conducted using direct pail or drum melting systems. These melters may be equipped for adhesive application via bead extrusion, swirl spray or roll coating methods.

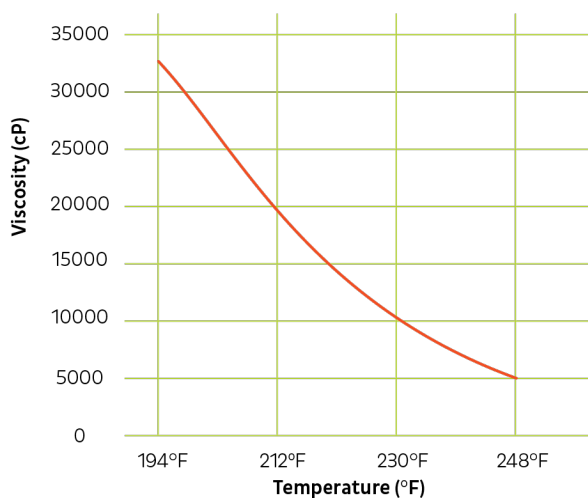
### CURE SCHEDULE

Cure rate is dependent upon substrate type, moisture permeability and ambient conditions. SG1582-082 will develop adhesive properties within 24 hours. However, optimum properties are achieved after seven days at room temperature.

### HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet should be consulted for proper handling, clean up and spill containment before use. Keep containers covered to minimize contamination.

### VISCOSITY CURVE



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### BOSTIK HOTLINE

Smart help  
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