



# Thermogrip® 2109

# HOT MELT ADHESIVES

## Product Description

Bostik® Thermogrip® 2109 glue stick is an economical hot melt adhesive designed for use on porous substrates including paper, cardboard and wood.

This product may be compositionally compliant to one or more FDA regulations for food packaging. Please contact the Bostik Regulatory Department for up-to-date FDA compliance information.

## Product Benefits

- Economical with low viscosity and quick grab ability
- Very good "gunability" in stick form
- Performs well at application temperatures as low as 300°F

## Product Applications

- One of our most popular adhesives for corrugated and packaging applications.
- Apply 2109 between 300°F to 400°F to many other porous substrates including wood and some foams.
- Used in "stand-by" applications as backup to automated packaging systems.
- Economical hot melt for wood bonding

## Application Information

1. All surfaces should be clean and free of contaminants. If necessary, clean surfaces with solvent.
2. Apply the adhesive to the more difficult-to-bond surface. In general, hard, smooth surfaces are more difficult to bond than rough, porous surfaces.
3. "Open-time" varies depending on application temperature, amount of adhesive applied, type of substrate and ambient temperature conditions.
4. Mate the surfaces to be bonded as quickly as possible after adhesive has been applied for optimum bond strength.
5. Use firmest pressure practical for object being bonded. Do not move or adjust surfaces after contact has been made, as inferior bond strength will result.
6. Typically, a properly formed hot melt adhesive bond will achieve 50% of its strength after 1 minute, 75% after 1 hour, and 100% after 1 day.

## Typical Physical Properties\* (After 24 Hour Cure)

Color:	Tan
Size (dia. x length):	5/8" x 2", 5/8" x 10" 7/16" x 4"**, 7/16" x 10" 1" x 3"
Tensile Strength/Elongation:	520 psi/200%
Softening Point:	206°F (97°C)
Specific Gravity, gms/cc:	0.95
Viscosity, cps:	
@250°F (121°C)	19,800
@300°F (149°C)	7,375
@350°F (177°C)	2,700
@400°F (205°C)	1,700
Open Time:	Medium (10 to 30 seconds)
Temperature Resistance:	-10°F to 165°F (-23°C to 74°C)

## Bond Characteristics

Chemical Resistance:	
Water	Good
Acids & Alkalies	Fair
Fats & Oils	Poor
Solvents	Poor

## Storage and Handling

Shelf Life:	999 days @ 73.4°F (23°C)
Shipping and storage:	Between 40°F to 95°F (4°C to 35°C)
Further Information:	Please refer to MSDS for complete details.

\* Values given are not intended to be used in specification preparation.

\*\* 7/16" X 4" length available by special order only.

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