

## HM5109

### Hotmelt Adhesive for Bonding

HM5109 is a thermoplastic hotmelt adhesive, 100% solid systems and contains no solvent. It has excellent adhesion for bonding paper, wood.

#### FEATURES

- High bonding strength with many substrates.
- Low viscosity
- 100 % solid (solvent-free)
- Slight odor and Non-toxic

#### TYPICAL PROPERTIES

Properties	HM5109	Testing Method
Base	Polyolefin	-
Shape	Granule	-
Color	White	-
Softening Point, °C	105 ± 7	ASTM-E28
Open Time, sec	10	-
Setting Time, sec	1~2	-
Hardness, Shore A	90	ASTM-D2240

3. Open time is changeable depending upon the nature of the substrate, application temperature, thickness of adhesive applied, room temperature, and closing pressure.

4. All surfaces should be clean and free of loose elements.

5. Do not touch the molten adhesive.

6. Do not heat the adhesive over 180°C for prolonged periods of time to avoid material decomposition and consequent decreased properties.

#### NOTE

Product color may vary due to different raw material batches. This variation does not impact product properties.

Product compositions meet FDA Food Grade 21 CFR 175.105 - Adhesives.

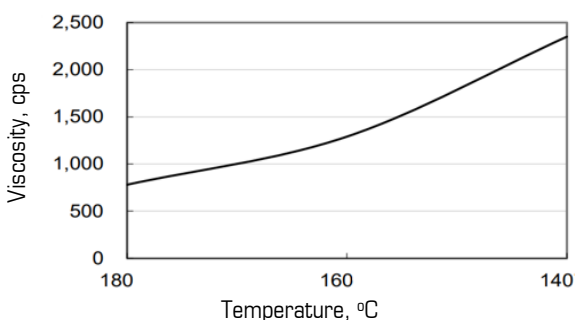
#### PACKAGING, STORAGE AND SHELF LIFE

Packaging: Granule - 25 kg per bag.

Storage: Please store this product in well ventilated place, avoid direct sunlight exposure.

Shelf life: minimum 01 year in original packaging.

#### Temperature and Viscosity Experiment



#### DIRECTION OF USE

1. Operation Temperature: 160 ~ 180°C.
2. Application methods: Nozzle.

#### CAUTION

Some findings indicate a lack of potential for carcinogenicity with the compositions of this product by long term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. DO NOT use solvents for cleaning hands. This resin is of moderate acute toxicity by swallowing. If swallowed, call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Material Safety Data Sheet.

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.