



HOT MELT ADHESIVES- Bookbinding industry

Cherng Tay has developed a series of bookbinding hot melt adhesives to fit most of your bookbinding needs. We have complete solutions for various basis weights (B.W.) of simile (uncoated) paper, recycled paper, gloss (coated) paper, stapled, unstapled, and cover page bonding.



| GRADE | COLOR | Softening Point (°C) | Viscosity Cps/170°C | Application Temperature | Recommended Applications |
|-------|----------------|----------------------|---------------------|-------------------------|--|
| 2755 | White | 80 | 4500 | 150~180 | Suitable for unstapled binding with basis weight 100 lbs below for art paper and high basis weight 120 lbs for simile paper. |
| 2711 | White | 85 | 3300 | 150-180 | It processes high melting rate and is suitable for the simile papers, recycled papers and coated papers of basis weight 50-80 lbs. |
| 216 | Clear White | 77 | 1860 | 150-170 | Suitable for cover page edge bonding and under general operation binding speed at 800-10,000 units per hour. |

- Specifications in this table are for reference of adhesives selection only. Final specifications are subject to the notification of formal orders.



APPLICATION

Guidelines for obtaining the best results :

1. Detect the humidity of simile and recycled paper every time before applying glue.
2. When binding speed is below 4000 books/ hour, the operating temperature should be set close to the lower range of application temperature. For example, the best application temperature for grade 2711 adhesive is between 150-170°C for lower speed binding. If binding speed is over 4000 books /hour, the glue needed to be melted quicker so that application temperature should be set between 170-180°C .
3. Distance, depth of notches on binding edge and thickness of glue film should be determined according to the type of paper, thickness of books (see technical manual for details) .
4. Inspect and clean charred residue on inner wall of glue tank (including pre-meter) regularly once about half a year. The exceed charred residue may affect the heat transmitting or slow adhesives' melting rate. Moreover, temperature of partial melting tank may be over 200 °C and resulting in gel.
5. Inspect the heating accuracy, the temperature control of heater for melting tank, tube and nozzle periodically (every six months) .
6. Do not mix any other adhesives or substrate with hot melt adhesives.

STORAGE

1. Do not expose hot melt adhesives to sunlight.
2. Keep cool and dry (not over 40°C).
3. Stored away from any solvents or chemicals.

SAFETY AND HEALTH

1. These products are solid and no danger for handing at room temperature.
2. For protection from burns, wears gloves and a long sleeved shirt during operation.
For eyes protection: wear safety glasses.
3. Once being burned, first flush the affected area with large amount of cold water, do not remove adhesive then seek for medication immediately.

WASTE DISPOSAL METHOD

1. These products do not apply to the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulation 40 CFR 261.
2. Dispose of it in an approved industrial landfall; consult your state or local authorities for proper disposal where more restrictive requirements are applied.



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