



TECHNICAL DATA SHEET

KIMIA JAVID SEPAHAN Co.

Newpipe Building, No. 83, Dr. Shariati Street (West), Tohid Ave, Isfahan, Iran

Phone: +98(31)-36937 (Ext 7281-7282)

Fax: +98(31)-62822010 Post Code: 817387685

Email : info@kimiajavid.ir

www.kimiajavidco.com

Kimbond 2377 Bookbinding Hot Melt Adhesive

Product Description

Kimbond 2377 is a white colored, very high quality, EVA based hot melt adhesive. It's recommended for spine gluing of books, glassy paper on automatic bookbinding machines. Kimbond 2377 is an excellent choice in soft paperback cover, Adhesive side and heavily hard cover bookbinding applications. It also performs well on most medium to fast running speed machines in both cold winter and hot summer conditions.

General Properties

Type	• Bookbinding hot melt adhesive		
Appearance	• White		
Forms	• Pellets		
Features	• Excellent adhesion	• Excellent hot tack	• Excellent heat stability
	• High flexibility	• Medium setting speed	• Very low odor
	• Non-fuming and non-tainting		
Uses	• Spine gluing of books		
Odor	• Slight resinous molten		
Packaging	• 25 Kg PE Bag		

Physical Properties	Nominal Value Unit	Test Method
Viscosity @ 180 °C	9000-11000 cP	ASTM D3236
Ring & Ball Softening Point	75-85°C	ASTM E28
Open Time @ 174 °C	25-35 sec	ASTM D4497
Specific Gravity	0.9±0.05 gr/cm ³	ASTM D792
Heat Stability	Excellent	ASTM D4499
Setting Time	≤ 5sec	-
Tensile strength	≥ 2.5MPa	ASTM D638
Elongation at break	400-600 %	ASTM D638

Storage and Handling

Kimbond 2377 should be stored in a cool dry place between 5-30°C, away from sources of heat and direct sunlight. Keep product and hot melt units covered to avoid contamination. It must be stored away from any solvents or chemicals. Do not mix with other adhesives.

Safety and Health

Kimbond 2377 is solid at room temperature, so it's not dangerous for handling at these conditions. When it's molten, for protection from burns, wear gloves and a long sleeved shirt during operation. For eyes protection, wear safety glasses. If the burns were occurred, first flush the affected area with large amount of cold water, do not remove adhesive, and then seek for medication immediately.

Shelf life

Best used within 24 months from date of manufacture when stored under the above conditions.

Operating Conditions

The recommended running temperature range is 160-180 °C (320-360°F). Kimbond 2377 can be applied by using of roller, disk and extrusion applicator systems. The cleaning up methods are using of heat, scraper, mineral oil or paraffin.

Issue Date: Nov. 2019

Issue Number: 01