

LITE-LOK[®] 70-003A

A Hot Melt Pressure Sensitive Adhesive

LITE-LOK[®] 70-003A is a low peel hot melt pressure sensitive adhesive designed for clean removability on paper, glass and metal applications.

TYPICAL APPLICATIONS

- Removable adhesive for paper, glass and metal substrates

FEATURES

- Ultra low peel
- Low peel build for temporary bonding applications
- Bleed through resistance to 140°F

FDA COMPLIANCE

Meets the compositional requirements of the FDA Indirect Food Additive Regulations:

- 21 CFR 175.105 "Adhesives".

TYPICAL PHYSICAL PROPERTIES

Solids (%)	Viscosity (cP)	Mettler Softening Point (°F)	Density (lbs/gal)
100	9,500 @ 300°F 4,700 @ 325°F 2,700 @ 350°F	210	7.8

- Appearance : Translucent solid
- Gardner Color: 1
- Package Description: 1 Kg cavity packs

APPLICATION GUIDE

Apply by any conventional method for high viscosity hot melts, including slot (die) or roll. It is strongly advised that evaluations of the adhesive be carried out to determine whether the product is suitable for use under individual coater operating conditions.

Typical adhesive deposition is 0.8 to 1.2 mils for most applications. Coat at the lowest practical temperature, above 275°F, to avoid thermal degradation. (Typical coating temperature range is 275° to 350°F.) Excessive or prolonged heating should be avoided. Enclosure and blanketing of the molten adhesive with nitrogen is suggested to prevent oxidation.



ADHESIVE PERFORMANCE¹

Transfer Coatings on 2 mil Polyester Coating Thickness Test Panel	1 mil	1 mil
	SS	HDPE
180° Peel (ozf/in)		
20 minutes	1	1
24 hours	1	1
1 week @ RT	2	-
1 week @ 158°F	4	-
1 week @ 95°F/95% RH	2	-
Shear (h)		
4.4 psi @ 72°F	3	-
8.8 psi @ 72°F	-	-
Tack (ozf/in)	8	5
SAFT (°F) PET	165	-

NOTES:

1. Not to be used for setting specifications

STORAGE, HANDLING AND PRECAUTIONS

Under normal conditions, product is stable for a minimum of 12 months in unopened containers. Store containers in dry areas and keep them tightly covered to prevent contamination. Rotate stock using the oldest material first. Do not mix with any other products. Consult the Material Safety Data Sheet (MSDS) for hazardous ingredients, disposal, and related handling information.

Use product with adequate ventilation and avoid breathing of vapor. Take precautions against skin contact with the molten adhesive to prevent serious burns. Migratory materials in some face stocks and end-use substrates, e.g., vinyl films and foams, may affect performance. It is recommended that product be thoroughly tested for particular application before large-scale use is attempted.

STATEMENT OF PRACTICAL USE

As with all pressure sensitive materials, this product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application. Note: This product has not been assessed for medical applications.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the 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 production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Rev. 19-Feb-2009

Henkel Americas

Tel: +1.800.797.4992, Fax: +1.609.409.5699

For the most direct access to local sales and technical support visit: www.henkelna.com/industrial

