



PRESSURE SENSITIVE
ADHESIVE

Aquagrip™

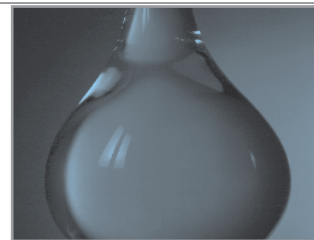
JB746
PRESSURE SENSITIVE EMULSION ACRYLIC

PRODUCT ■ Aquagrip 746 is a water based acrylic pressure sensitive adhesive.

PRODUCT DESCRIPTION ■ Aquagrip 746 is a versatile, high peel adhesive with excellent clarity.

BASIC USES ■ Aquagrip 746 can be used effectively on both paper and filmic labels. Using a propriety process, Aquagrip 746 delivers superior clarity while maintaining the high peel customers demand. Whether you need adhesive for just one application or multiple applications, Aquagrip 746 can be customized to meet your needs.

SUGGESTED USES ■ Labels, Tapes, and Laminated Labels



FEATURES

- Aggressive peel and tack
- Coater ready
- Excellent clarity
- Moderate shear resistance
- Good humidity, water, and UV resistance
- Good adhesion to polypropylene or HDPE

APPLICATION TECHNIQUES ■ Aquagrip 746 can be applied by rod, gravure, or formulated specifically for your equipment.

PACKAGING ■ Aquagrip 746 is available in drums, totes, and tankers.

FDA 21 CFR NUMBERS ■ 175.105

We do not knowingly add any substances derived from animal sources to this product.

PHYSICAL PROPERTIES

properties

Tg (°C)	-42
pH	7-9
Viscosity (cps)	200-500
Solids (%)	52-54
Density	1.04 g/cc @ 77°F
Type	Acrylic Emulsions
Color	White
Characteristics	Good water resistance and excellent clarity



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Aqua Grip

PERFORMANCE PROPERTIES

	SAFT (°F)	RT shear (min)	180 peel (pli)	Loop tack (lbs)
stainless steel	180	1000	3.1	3.3
corrugated cardboard			3.0	2.5
hdpe			1.5	1.8
polypropylene			1.0	1.7
polycarbonate			2.7	3.0

Test samples were directly coated on 2mil PET film and dried for 5 minutes at 180°F. The resulting dry coat weight of the adhesive was 1mil. Samples were conditioned for 24 hours at 75°F / 50% RH before testing. All testing conducted on bright-annealed PSTC stainless steel panels.

180° peel test procedure- A 1 inch strip of coated PET stock was laminated to a stainless steel panel using two passes of a 4.5lb roller and allowed to dwell for 20 minutes prior to testing. Testing was conducted using an Instron tensile tester with a peel rate of 12 inches / minute.

Looptack test procedure- Looptack values were determined using an Instron tensile strength tester at a rate of 12 inches / minute. Values reported are the peak tack level measured.

Room temperature shear procedure- A 1 inch x 1 inch sample of coated PET film was laminated to a stainless steel plate and allowed to dwell for 30 minutes. A 1000g weight was attached to the coated stock. The time at which delamination occurred was recorded. Testing conducted at 75°F / 50% RH.

Shear adhesion failure temperature (SAFT) test procedure- A 1 inch x 1 inch sample of coated PET film was laminated to a stainless steel plate and allowed to dwell 30 minutes. Samples were then placed in an oven and a 1000g weight was attached to the coated stock. The oven temperature was increased at 3°F/min. The temperature at which delamination occurred was recorded.

HEALTH AND SAFETY PRECAUTIONS ■ The Material Safety Data Sheet should be consulted for proper handling, clean up, and spill containment before use. Keep containers covered to minimize contamination. For FDA regulations and additional clearances, please contact the Regulatory Affairs Department at 414-774-2250.

IMPORTANT NOTICE • The information given and recommendations made herein are based on Bostik’s research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and equipment used for application. Any change in any of these variables can affect the product’s performance. Buyers are advised to make their own tests to determine whether the product is suitable for their purposes under their own operating conditions. Bostik accepts no responsibility for the performance of the product for any particular customer or any particular use. Bostik does not warrant the product’s suitability for any particular application. The product is sold only pursuant to Bostik’s terms and conditions of sale and only subject to the limited warranty contained therein. **Bostik sells the product without warranty as to merchantability and fitness for a particular purpose, any warranty from course of dealing or usage of trade, or any other warranty, expressed or implied, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of Bostik’s products.** Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent. Unless otherwise agreed to in writing, **The buyer’s sole remedy for noncompliance with any warranty shall be the replacement of the product or refund of the buyer’s purchase price. In no case will Bostik be liable for indirect, consequential, incidental, economic or other similar damages.**

MANUFACTURER

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