



PRESSURE SENSITIVE
ADHESIVE

Aquagrip™

JB722
PRESSURE SENSITIVE EMULSION ACRYLIC

PRODUCT ■ Aquagrip 722 is a water based pressure sensitive adhesive.

PRODUCT DESCRIPTION ■ Aquagrip 722 is a hard polymer, low peel removable adhesive.



BASIC USES ■ Aquagrip 722 offers superior consistency and reliability in a ready made formula with no need for customization, reducing manufacturing cost. Aquagrip 722 can be used effectively in both product identification and removable applications including masking.

FEATURES

- Low tack and peel removable
- Coater ready
- Crosslinkable
- Excellent clarity
- Good humidity and UV resistance
- High shear resistance

APPLICATION TECHNIQUES ■ Aquagrip 722 can be applied by rod, gravure, or formulated specifically for your equipment.

PACKAGING ■ Aquagrip 722 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)	-40
pH	7.3-8.8
Viscosity (cps)	250-700
Solids (%)	50-52
Density	1.02 g/cc @ 77°F
Type	Styrene-acrylates
Color	White
Characteristics	Moderate peel removable with a flat peel profile, even after aging



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PERFORMANCE PROPERTIES

	SAFT(°F)	RT shear (min)	180 peel (pli)	Loop tack (lbs)
<i>stainless steel</i>	>300	>10k	0.8	1.4
<i>corrugated cardboard</i>			0.1	0.1
<i>hdpe</i>			0.6	1.0
<i>polypropylene</i>			0.4	0.8
<i>polycarbonate</i>			2.4	1.0

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. Wear safety gloves and goggles when handling adhesive to minimize the risk for skin irritation. Keep containers covered to minimize contamination. For FDA regulations and additional clearances, please contact the Regulatory Affairs Department at 414-774-2250.

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MANUFACTURER

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