

PACKED WITH EXPERTISE

# ACTEbond® FOR STAND-UP POUCHES

ACTEGA-LAMINATING ADHESIVES  
BPA-NI AND EPOXYSILANE-FREE

A member of  ALTANA

 ACTEGA



LINE OA

 034-871604-6

 [kpnsale@kpn2552.com](mailto:kpnsale@kpn2552.com)

 [kpngraphics.co.th](http://kpngraphics.co.th)

  
KPN GRAPHIC



# ACTEbond® LAMINATING ADHESIVES BPA-NI AND FREE OF EPOXYSILANES

## USAGE

For aggressive filling materials such as fat, oil, and acids

For packaging to be used with foods, Pet-food, cosmetics, and household goods

For transparent and aluminum laminates in the following constructions:

- ✓ Duplex
- ✓ Triplex
- ✓ Quadruplex

## CONSUMER BENEFITS

Food safety (shelf life of foods and absence of genotoxic substances)

## CUSTOMER BENEFITS

Versatile range of uses thanks to particularly high resilience

Epoxy-silane- and BPA-free

Sterilization-safe

Saving on inks in the case of colored adhesives

## OUR RECOMMENDATION FOR STAND-UP POUCHES

### LAMINATING ADHESIVES

#### ACTEbond® ASB-908

- ✓ High-performance laminating adhesive for all types of stand-up pouches

#### ACTEbond® ASB-903-W205 (white)

- ✓ Saves on processing time and costs by eliminating the need for full-area printing with white
- ✓ Suitable for creating custom packaging designs by printing on additional colors
- ✓ Replaces white polyester when used to laminate transparent films

### HARDENERS

#### HT-049-S

Aliphatic, yellowing-resistant hardener for aluminum laminates

#### HT-020

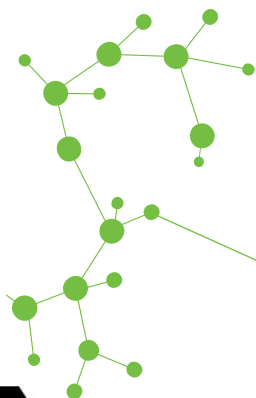
Aromatic, reactive hardener with exceptionally low curing time – no tempering necessary

#### HT-038

Aliphatic, yellowing-resistant hardener for transparent laminates

## FORMULATION

Solvent-based 2-component polyurethane adhesive based on polyols in combination with aliphatic or aromatic isocyanates.



# PHYSICAL DATA

## Sustainability

Unlike rigid plastic packaging, flexible stand-up pouches help reduce carbon footprint considerably. Besides lowering the volume of waste generated, they also use less plastic.

Laminating Adhesive	Solid content [%]	Density [g/ml]	Viscosity
ACTEbond® ASB-908	70 ±2	1,14 ±0.05	3.500 ±1.500 mPas
ACTEbond® ASB-903-W205	72 ±2	1,41 ±0.05	100 ±20 s

## Food safety thanks to adhesives that are free of epoxysilanes and BPA

Reliably safeguarding consumer health is our top priority. When it comes to applications that involve contact with foods, we painstakingly investigate the safety of the relevant raw materials and use only materials that verifiably comply with food regulations (such as FDA and EU directives).

As part of a safety-conscious approach, we have developed adhesives that are free from BPA and epoxysilanes (such as GLYMO and GLYEO) but also exhibit outstanding performance.

Hardener	Solid content [%]	Density [g/ml]	Viscosity
HT-049-S	85 ±2	1,10 ±0,05	1.000 ±500 mPas
HT-020	75 ±2	1,17 ±0,05	1.700 ±500 mPas
HT-038	100	1,15 ±0,05	1.200 ±500 mPas

READ WHY ACTEGA PROACTIVELY CHANGED ITS ACTEbond® ADHESIVE RANGE AND DOES NOT USE BISPHENOL A (BPA) AND EPOXYSILANE IN ITS ADHESIVES.



## MODULAR SYSTEM FIND THE RIGHT COMBINATION OF LAMINATING ADHESIVE AND HARDENER FOR YOUR APPLICATION

### ACTEbond® ASB-908 & HT-049-S

Also for highest retort conditions

Good flexibility

Exceptionally good thermal and chemical resistance

Suitable for aluminum laminates

Free from aromatics (no PAA is produced during sterilization)

### ACTEbond® ASB-908 & HT-020

Also for highest retort conditions

Good flexibility

Exceptionally good thermal and chemical resistance

Suitable for transparent laminates

Based on aromatic isocyanates (TDI)

### ACTEbond® ASB-903-W205 & HT-038

Also for highest retort conditions

Good flexibility

Good covering properties at low application weight

Excellent thermal and chemical resistance

Suitable for transparent laminates

Free from aromatics (no PAA is produced during sterilization)

### ACTEbond® ASB-903-W205 & HT-049-S

Also for highest retort conditions

Good flexibility

Good covering properties at low application weight

Negates the natural shine of aluminum

Excellent thermal and chemical resistance

Suitable for aluminum laminates

Free from aromatics (no PAA is produced during sterilization)

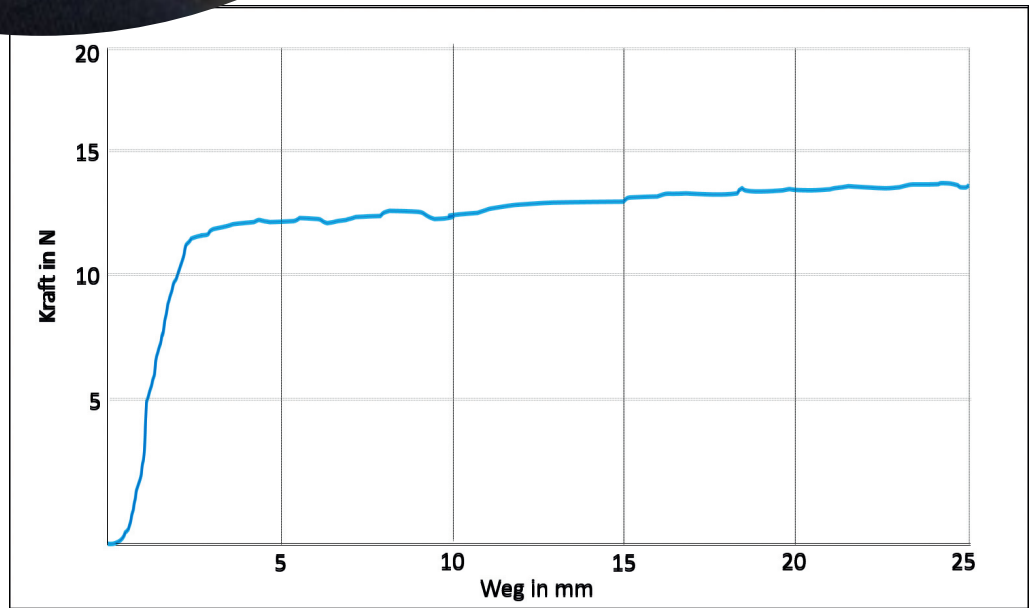




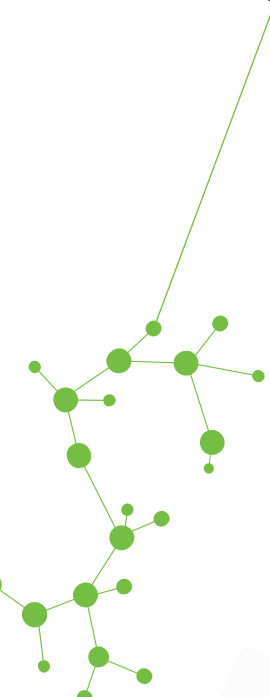
VIDEO



FIND OUT WHAT IS TO CONSIDER IN THE LAMINATION PROCESS.



Graphical depiction of the adhesion achieved by ACTEbond® ASB-908 combined with hardener HT-049-S between aluminum and polypropylene.



Any combination of the pigmented adhesive is also available in numerous additional color tones.

Custom colors can be developed using a color tone template and can be customized for the relevant application area and required performance.



034-871604-6

kpnsale@kpn2552.com

kpngraphics.co.th





# ACTEGA YOUR COMPETENT PARTNER FOR THE PACKAGING MARKET

## Technical service and tailored advice

Selecting the perfect product from our wide-ranging portfolio of successful, tried-and-tested standard solutions

Joint development of a bespoke product solution

Considerable expertise in legal matters concerning foodstuffs

Extensive know-how when it comes to our customers' plants

Supporting new products at the customer plant  
Laboratory analysis and trouble shooting on site

## Production

Customer-specific order production

Small volumes also available

## Research & development

Ultramodern laboratory equipment

High level of investment in R&D

Innovative, market-oriented product development

## Quality control

Quality control using state-of-the-art testing equipment

Quality certificates for each individual batch

100 % traceability of raw materials, products, and deliveries

### Integrated management system:

Quality management system

Environmental management system

Energy management system

Occupational health and safety management system



Your contact:  
[www.actega.com](http://www.actega.com)

Copyright 2020 ACTEGA. All rights reserved.

The information and specification published in this document are given to the best of our knowledge and correspond with our current state of knowledge. All the information shall not create any guarantee of properties in the legal sense or representation with regard to characteristics and fitness for any particular purpose. The correctness, completeness and applicability of the information is subject to our explicit written confirmation in any particular case. Legally binding are only information set forth in the order confirmation and in the current technical datasheets. Product images may deviate, and do not warrant a certain appearance or function. We recommend testing our products as to their suitability for your envisaged purpose prior to use. Products, services, delivery terms and prices as well as the information contained in this document are subject to alteration without prior notice; the same is true for errors and omissions. The General Terms and Conditions of ACTEGA Rhenania shall apply exclusively, which you can find on our website or order confirmation.

A member of  ALTANA

 ACTEGA



LINE OA

 034-871604-6

 [kpnsale@kpn2552.com](mailto:kpnsale@kpn2552.com)

 [kpngraphics.co.th](http://kpngraphics.co.th)

  
KPN GRAPHIC