

PACKED WITH EXPERTISE

ACTEbond® FOR STAND-UP POUCHES

ACTEGA-LAMINATING ADHESIVES
BPA-NI AND EPOXYSILANE-FREE

A member of  **ALTANA**

 **ACTEGA**

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

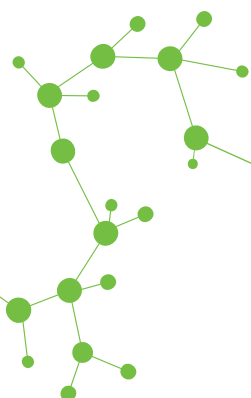
Aromatic, reactive hardener with exceptionally low curing time – no tempering necessary

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

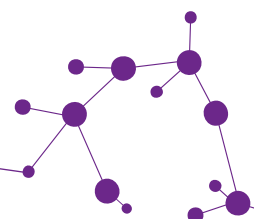
Good covering properties at low application weight

Negates the natural shine of aluminum

Excellent thermal and chemical resistance

Suitable for **aluminum laminates**

Free from aromatics (no PAA is produced during sterilization)

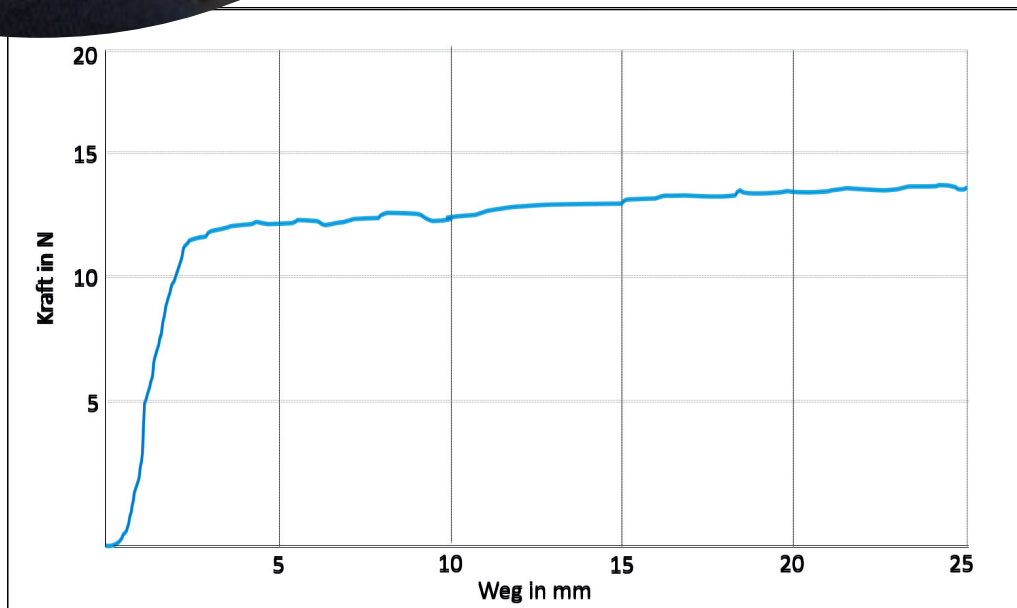




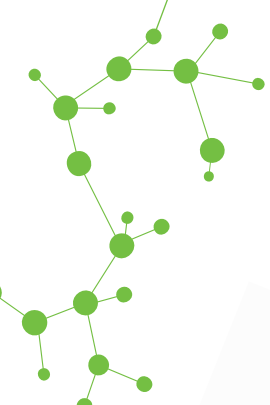
VIDEO



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.

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



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