

# Acronal<sup>®</sup> DS 3502

## Adhesive Raw Materials



We create chemistry

### Chemical nature

Aqueous dispersion of an acrylic ester copolymer

### Technical data

Solids content	approx. 55 %
pH	approx. 6–9
Viscosity ISO 3219	approx. 2–6 mPa·s
Viscosity ISO 2555	approx. 8–30 mPa·s
Glass transition temperature	approx. 4 °C
Tensile strength of film	approx. 0.15 N/mm <sup>2</sup>
Elongation at break	approx. 1500 %

The exact specifications can be found in the specification data sheet.

### Application area

Acronal DS 3502 adheres well to many different materials. It can be employed as an adhesive, or it can be added to other polymer dispersions in order to boost their adhesion. It is employed in the manufacture of adhesives for packaging made from a variety of different materials.

### Processing

Acronal DS 3502 can be added to polyurethane dispersions (Luphen<sup>®</sup> D types) at levels of up to 30 % in order to reduce their heat activation temperature without significantly affecting their heat resistance.

Acronal DS 3502 can also be used as a binder employed in acoustic compounds, which are used in machinery and automobiles to dampen vibrations. Acoustic compounds formulated with Acronal DS 3502 display maximum noise suppression in the 10–20 °C range.

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Edition: April 2015

TI/ED 1896 e

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# Acronal<sup>®</sup> 3612

## Adhesive Raw Materials



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### Chemical nature

Aqueous dispersion of an acrylic ester copolymer

### Technical data

Solids content	approx. 55 %
pH value	approx. 6 – 9
Viscosity ISO 3219	approx. 100 – 800 mPa·s
Glass transition temperature	approx. – 12 °C

For detailed information see Specification data sheet

### Applications

Acronal 3612 can be used as a binder for vibration dampening compounds. Such compounds can be formulated with inorganic fillers and various additives such as dispersing agents or thickeners in order to be applied in liquid form and dried at elevated temperatures.

Acoustic compounds formulated with Acronal 3612 show maximum vibration dampening in the range of 0 to 25 °C.

### Advantages

Acronal 3612 shows excellent performance in vibration dampening.

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Edition: October 2011

TI/ED 2087 e

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# Acronal<sup>®</sup> 3626

## Adhesive Raw Materials



We create chemistry

### Chemical Nature

Aqueous dispersion of an acrylic ester copolymer

### Technical Data

Solids content	approx. 55 %
pH	approx. 6–9
Viscosity ISO 3219	approx. 100–800 mPas
Viscosity ISO 2555	approx. 1–5 mPas
Glass transition temperature	approx. 50 °C

### Advantages

Due to its outstanding ability to dampen vibrations Acronal 3626 can be employed in acoustic compounds.

### Applications

Acronal 3626 can be employed in acoustic compounds, which are used in machinery and automobiles to dampen vibrations. It is used as a binder for aqueous compounds that are capable of being sprayed. The ability of acoustic compounds to dampen vibrations can be assessed by measuring the flexural vibration according to ISO 6721. The loss factor ( $\tan \delta$ ) is a measure of the dampening effect. Acoustic compounds formulated with Acronal 3626 display maximum noise suppression in the 55–65 °C range.

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Edition: February 2015

TI/ED 2110 e

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# Acronal<sup>®</sup> 3902

## Adhesive Raw Material

<b>Product description</b>	Binder for vibration damping compounds.
<b>Key benefits</b>	Acronal 3902 shows excellent performance in vibration dampening.
<b>Chemical nature</b>	Dispersion of an acrylic ester copolymer.

## Properties

**Physical form**                      Aqueous dispersion of a polymer.

<b>Technical data</b> (no supply specification)	Solids content	54 – 56 %
	pH	6 – 9
	Viscosity	DIN EN ISO 3219 50 – 250 mPa·s
	Glass transition temperature	~ 5 °C

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## Application

Acronal 3902 can be used as a binder for vibration dampening compounds.

Such compounds can be formulated with inorganic fillers and various additives such as dispersing agents or thickeners to be applied in liquid form and dried at elevated temperatures.

Acoustic compounds formulated with Acronal 3902 show maximum vibration dampening in the range of 10 to 30 °C.

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## Storage

Store protected against freezing.

The product should not come in contact with exposed iron or non-ferrous metal during storage or processing.

Keep container tightly sealed.

The headspace of bulk storage tanks must be kept saturated with water vapor.

### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

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