

# Mowital® Thin Film

## Technical Data Sheet

### Characteristics

Polyvinyl butyral (PVB) as plasticiser-free thin film.

### Recommended uses

Film for the application as adhesive laminate interlayer. Typical examples are fiberglass laminates, glass laminates, laminates with metal film or metal sheet, e.g. aluminum or copper, bonding of various metals, multilayer composites, wood laminates, bonded honeycomb sandwich structures made from different substrates.

### Form supplied

Film on roll.

### Specification data

The data are determined by our quality control for each lot prior to release.

Grade	Area weight <sup>1</sup> (g/m <sup>2</sup> )	Dry content <sup>2</sup> (%)	Net thickness <sup>3</sup> (µm)
Mowital® Thin Film 050	55 ± 10%	> 98,5	50 ± 10%
Mowital® Thin Film 100	110 ± 10%	> 98,5	100 ± 10%
Mowital® Thin Film 250	275 ± 10%	> 98,5	250 ± 10%

1) determined as average value of 10 measurements

2) as value before packing the material

3) determined as average value of 10 measurements

### Additional data

The rolls differ in length but not in width (1500 mm). **Mowital® Thin Film 050** has a length of 1500 m, **Mowital® Thin Film 100** has a length of 1000 m and **Mowital® Thin Film 250** has a length of 300 m.

### Processing

**Mowital® Thin Film** can typically be applied as thermoplastic adhesive interlayer to form laminates of different substrates by applying temperatures of 130–170 °C and pressure (> 5 bar).

After lamination procedure, it is recommended to cool down under pressure below 110 °C.

**Storage**

**Mowital**<sup>®</sup> **Thin Film** can be stored in its original packaging under dry and cool conditions for at least 12 months after delivery date. The package must be sealed quickly again after opening. **Mowital**<sup>®</sup> **Thin Film** should not be permanently exposed to direct (sun-) light. Packed rolls should not be stored under pressure.

**Food contact status**

The use of **Mowital**<sup>®</sup> is sanctioned by: The (EU) regulation 1935/2004 and No. 10/2011 – all monomers and starting sub-stances authorised by listing in Annex I.

As well as Council of Europe, Resolution AP 96(5) on surface coatings intended to come into contact with foodstuffs – all monomers and starting substances authorised by listing in appendix 2, list 1. US Food and Drug Administration 21CFR § 175.105 Adhesives, § 175.300 Resinous and polymeric coatings, § 176.170 Components of paper and paperboard in contact with aqueous and fatty foods, § 176.180 Components of paper and paperboard in contact with dry food.

**Industrial safety and environmental protection**

Not classified as a dangerous substance or preparation according to the current criteria of chemical legislation, or of the CLP regulation EU Directives (1272/2008).

A safety data sheet is available on our homepage [www.mowital.com](http://www.mowital.com) and is updated on a regular base.

**Waste disposal**

In accordance with current regulations and/or after consultation with site operator and/or with the responsible authorities **Mowital**<sup>®</sup> may be taken to waste disposal sites or incineration plants.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is subject to our General Conditions of Sale. June 2022

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