

Mowital Thin Film

Technical Data Sheet

Characteristics

Polyvinyl butyral (PVB) as a thin film

Recommended Uses

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

Delivery Form

Film on roll

Specification Data

Grade	Area weight* (standard deviation) [g/m ²]	Dry content** [%]
Mowital Thin Film 050	55 ± 10 %	> 99.0
Mowital Thin Film 075	82.5 ± 10 %	> 99.0
Mowital Thin Film 100	110 ± 10 %	> 99.0
Mowital Thin Film 250	275 ± 10 %	> 99.0

*determined as average value of 10 measurements

**as value before packaging of material

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 guaranteed under our General Conditions of Sale.

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Additional Data

Grade	Width of roll***	Length of roll	Net thickness (std. deviation)****
	[mm]	[m]	[µm]
Mowital Thin Film 050	1,000	1,500	50 ± 10 %
Mowital Thin Film 075	1,000	1,500	75 ± 10 %
Mowital Thin Film 100	1,000	1,500	100 ± 10 %
Mowital Thin Film 250	1,000	300	250 ± 10 %

***standard width, other widths upon request

****calculated from IR-online measurements

Storage

In its original packaging Mowital Thin Film may be stored under dry and cool conditions for at least 12 months.

Dry conditions mean relative humidity of 0 % to max. 60 % relative humidity, cool means temperatures in the range of +10 °C to max. 50 °C/120 F.

Mowital Thin Film should not be permanently exposed to direct (sun-) light.

Packed rolls should not be stored under pressure.

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.

Industrial Safety and Environmental Protection

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

A safety data sheet is available upon request.

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