

kuraray

mowital™
world of PVB resin

Mowital G

Technical Data Sheet

Characteristics

Ganulized polyvinyl butyral (PVB) grades with different molecular weights, and varying degrees of acetalization.

Recommended Uses

Mowital G is optimized for thermoplastic processing like extrusion, compounding, injection moulding or blow moulding, blow and cast films, melt spinning or others.

Form supplied

Pellets.

Storage

Mowital G can be stored in its original packaging under dry and cool conditions for at least 12 months.

Specification Data

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

Grade	Non-volatile content (DIN 53216)	Content of polyvinyl alcohol ¹⁾	Content of polyvinyl acetate ²⁾
	wt-%	wt-%	wt-%
Mowital G 13	≥ 99,5	24 - 27	1 - 4
Mowital G 16	≥ 99,5	24 - 27	1 - 4
Mowital G 36	≥ 99,5	18 - 21	1 - 4

¹⁾ Hydroxyl groups in terms of polyvinyl alcohol

²⁾ Acetyl groups in terms of polyvinyl acetate

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Additional Data (Typical Values)

Grade	Glass transition temperature (DSC, ISO 11357-1)	Water up-take after 24 h water immersion ¹⁾ at 20 °C	Melt Flow Rate (190 °C; 2,16 kg)	Melt Flow Rate (230 °C; 2,16 kg)
	°C	wt-%	g/10min	g/10min
Mowital G 13	70	6-10	20	53
Mowital G 16	72	6-10	3,6	7
Mowital G 36	70	4-6	1	6

These data are used solely to describe the product. They are not subject to constant monitoring or part of the specification.

1) dry film thickness of test specimen: 0,1 mm.

Processing

Mowital G can be used on commercial standard extruders for the processing of polyolefins. Melt temperature during extrusion should not exceed 250 °C because at higher temperatures the material will suffer thermal degradation, recognizable by yellow discoloration, dark colour gels and an increase in melt pressure and torque.

Waste disposal

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

Industrial Safety and Environmental Protection

Not a hazardous substance within the meaning of the current Dangerous Substances Regulations (GefStoffV).

The safety data sheet contains further information and is available upon request.

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.

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