

# Mowital® B 45 M

Polyvinyl Butyral

Kuraray Co., Ltd.

## Message:

### Characteristics

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

### Recommended Uses

Binder for coatings (adhesion promotion/corrosion protection primers, shop primers, wash primers, stoving enamels, varnishes and lacquers for different substrates). Binder for printing inks. Co-binder for powder coatings. Temporary binder for ceramics. Binder for textile printing and non-woven. Wetting agent for grindings, esp. of organic pigments. Adhesives, pressure-sensitive adhesives and hotmelts.

General Information			
Features	Crosslinkable		
	Food Contact Acceptable		
	Heat Sealable		
Uses	Adhesives		
	Binder		
Agency Ratings	EU 2002/72/EC		
	EU 2004/19/EC		
	FDA 21 CFR 175.105		
	FDA 21 CFR 175.300		
	FDA 21 CFR 176.170		
Appearance	White		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.25	g/cm <sup>3</sup>	DIN EN 543
Water Absorption (20°C, 24 hr, 0.100 mm)	5.0 to 8.0	%	
Solution Viscosity <sup>1</sup>	80 to 110	mPa · s	DIN 53015
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	70.0	°C	ISO 11357-2
Additional Information	Nominal Value	Unit	Test Method
Non-Volatile Content	> 97.5	wt%	DIN 53216
Polyvinyl Acetate Content <sup>2</sup>	1.0 to 4.0	wt%	
Polyvinyl Alcohol Content <sup>3</sup>	21.0 to 24.0	wt%	
NOTE			
1.	According to Hoeppler, 10% solution in Ethanol containing 5% water at 20°C		
2.	Acetyl groups in terms of polyvinyl acetate		

3.

Hydroxyl groups in terms of  
polyvinyl alcohol

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#### Recommended distributors for this material

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