

Polyvinyl Butyral (PVB) Resin



PVB Standard Grades

		CD-16*	CD-20	CD-30	CD-60
Volatile content	Wt-%	≤2.0	≤2.0	≤2.0	≤2.0
Non volatile content	Wt-%	≥98.0	≥98.0	≥98.0	≥98.0
Butyral content	Wt-%	76-85	76-85	76-85	76-85
Acetate content	Wt-%	≤3.0	≤3.0	≤3.0	≤3.0
Hydroxy content	Wt-%	12-17	12-17	12-17	12-17
10% viscosity**	mPa·s	9-14	14-20	25-40	120-200
Free acid	mg KOH/g	≤0.5	≤0.5	≤0.5	≤0.5

* grade under development; provisional parameters

** 10% solution in Ethanol at 25°C; Brookfield

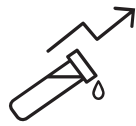
Recommended uses:

- Printing Inks
- Coatings:
anticorrosive/shop primer, wash primer, baked enamel,
traffic (reflective) coatings, wood (sealing) coatings
- Nail varnish
- Wood (sealing) coatings
- Whiteboard inks
- Textile printing and non-woven
- Ceramics temporary binder
- Prepregs and composites

Product appearance: tiny, free-flowing white powder.

PVB resin meets the following regulations regarding food contact plastic material:

1. REGULATION (EC) No 1935/2004 – Article 3.1
2. COMMISSION REGULATION (EU) No 10/2011 on plastic materials and articles intended to come into contact with food
3. The United States food and drug administration's 21 CFR § 175.105 adhesive, 21 CFR § 175.300 resin and polymer coating, 21 CFR § 176.170 components of paper and paperboard in contact with aqueous and fatty foods



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Characteristics:

- Very good adhesion: polyolefins, metals, polyester, cellulose acetate, polyamid, polystyrene, ...
- Compatible with: nitrocellulose, alkyd resin, polyester resin, acetone condensation resin, other polymers
- Good water resistance
- Good solubility in organic solvents
- Excellent optical properties
- Good wettability and pigment dispersion

Basic processing hints:

- Suggested material input: 18-30% for CD-16; 15-20% for CD-20; 10-15% for CD-30; 5-15% for CD-60
- Dissolve under normal temperature (25° C), the dissolution time is about 30 minutes

Storage: Under dry and cool (25° C or less) condition, the product can be stored for at least 12 months if sealed in original packaging.

Preventive measures: during the operation process of dissolving, take appropriate safety measures, and prevent electrostatic.

Waste disposal: (see MSDS)

Industrial Safety and Environmental Protection: (see MSDS)

Solvent selection:

Alcohol	Methyl alcohol	✓
	Ethyl alcohol	✓
	Propyl alcohol	✓
	Butyl alcohol	✓
	Isobutyl alcohol	✓
	Diacetone alcohol	✓
	Ketone	✓
Ether	Benzyl alcohol	✓
	Dipropylene Glycol butyl ether	✓
	1,2-Propylene Glycol 1-Monomethyl Ether	✓
Lipid	Ethyl acetate	✓
	Methyl ethyl ketone	✓
	3-Methoxybutyl acetate	✓
	DBE DIBASIC ESTER	✓
Ketone	Butyl glycolate	
	Acetone	✓
	Butanone	✓
	Methyl ethyl ketone	✓
	MIBK	✓
Cyclohexanone	✓	



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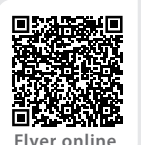
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