

Description

HVB-0004 (formerly known as Hipol B 60) is a low viscosity thermoplastic Polyvinylbutyral Resin.

Characteristics

- Very large surface area
- Medium molecular weight
- Outstanding sensorial properties
- Soluble in alcohols or glycol ethers
- Compatible with esters and ketones, Nitrocellulose, Epoxy Resin, Epoxy Alkyds, Phenolic Resins, Polyurethane, Melamine-Formaldehyde Resins, Ketonic Resins, Polyamides
- Reactive via free hydroxyl group

Suggested Application

- Printing Inks and Lacquers:
 - Flexo or Gravure
 - Water resistance
 - Blocking resistance
 - Pigment wetting
 - Good flow
 - Adhesion to Cellulose Acetate, Polyester, Polystyrene, Metalized Film
 - Food packaging
- Wash Primers:
 - For Steel storage, tanks, ship bottoms, airplanes, bridges, dam locks, trailers, farm equipment, automotive, rail coaches, etc
 - Flexible films with good metal adhesion
- Adhesives:
 - Plasticizer for Epoxy, Phenolic, Melamine-Formaldehyde or Isocyanate based formulations
 - Improved interfacial adhesion, flexibility
 - Temperature, solvent, chemical resistance

- Ceramics
 - 2% - 4% as temporary binder
 - Degrades during sintering with little residue
 - Improved green strength and dimensional stability

Typical Properties

Acid value [mg KOH/g]	≤ 1
Appearance	White powder
Bulk density [g/cm ³]	0.245 - 0.291
Viscosity* @ 30 °C, FCB4 [s]	55 - 60
Polyvinyl alcohol [% w/w]	17 - 19
Polyvinyl acetate [% w/w]	1.9 - 2.3
Polyvinyl butyral [% w/w]	75 - 85

*in 90% Ethanol

Storage

The resin should be stored in original, unopened packaging in a cool, dry place and should not be exposed to direct sunlight. Typical storage temperatures should be between 15 °C and 30 °C.

Shelf Life

The product has a shelf life of at least 12 months from the date of manufacture.

Safety

When handling this product, please work according to the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

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