



# Vitel® 3200B

## COPOLYESTER LAMINATING RESIN

### KEY FEATURES

- Excellent flexibility
- Can be cross-linked for increased performance
- Strong adhesion to PET, vinyl, metal, and treated PO substrates

### DESCRIPTION

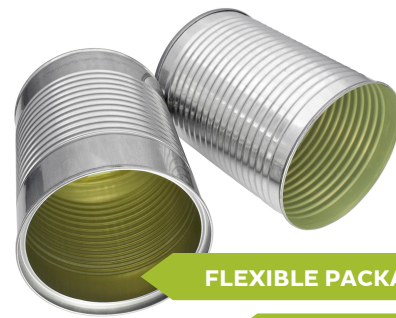
Vitel® 3200B is a thermoplastic, high molecular weight, linear saturated polyester resin. It is a flexible amorphous polymer and slightly tacky at room temperature. Vitel 3200B is a strong adhesive binder for attaching difficult to adhere webs to a variety of substrates. Key applications of Vitel® 3200B include flexible packaging or as a modifier for hard resinous coatings. When formulated with cross-linking agents, Vitel® 3200B can be used in can and coil coatings where flexibility and strength are needed.

### PACKAGING

Vitel® 3200B is sold in 40 lb. boxes. Please contact your Bostik representative for other packaging options.

### SHELF LIFE

The shelf life of Vitel® 3200B is approximately 9 months when resin is stored in sealed, original containers at temperatures between 5 and 35°C (41 and 95°F). Cold storage at 4°C (40°F) or below has been shown to significantly improve the shelf life of this resin.



FLEXIBLE PACKAGING

CAN COATINGS

### TYPICAL PHYSICAL PROPERTIES

Description	Results
Appearance	Clear pale yellow pellets
CIE Lab Color	L*: 95 (min) a*: 25 (max)
Specific Gravity	1.2
Shore Hardness A @ 25 °C	67
Tensile Strength (ASTM D638-89)	400 psi
Elongation at Break (ASTM D638-89)	800%

### TYPICAL POLYMER PROPERTIES

Description	Result
Intrinsic Viscosity	0.78 dl/g
Acid Number	0-2 mgKOH/g
Hydroxyl Number	3-6 mgKOH/g
Molecular Weight, Mw	63,500 daltons
Glass Transition Temperature	15 °C
Melt Flow Temperature	129 °C

## STORAGE & HANDLING

Vitel® 3200B is produced in pellet form, however, elevated warehouse temperatures may cause cold flow in the resin and difficulties in the removal of the wrapping film. Static charges may also develop due to the unwrapping of this film. Precautions against a static discharge should be taken particularly in areas where solvent vapors exist. Otherwise, there are no special precautions necessary in handling this resin. Under typical ambient conditions, Vitel® 3200B is an inert material.

## APPLICATION TECHNIQUES

Vitel® 3200B is most frequently applied from solution, so solvent selection is important. Vitel® 3200B is soluble in methyl ethyl ketone, methyl ethyl ketone/toluene blends, cyclic ethers, chlorinated or stronger solvents.

A minimum application weight of 2 g/m<sup>2</sup> (dry) is recommended. For aggressive requirements, the coating weight can be increased to 4 g/m<sup>2</sup> or higher.

## DILUTION

Dilution may be done with PU grades (< 0.1% H<sub>2</sub>O-content) of ethyl acetate, acetone, MEK or a mixture of these solvents. The adhesive system should be processed at a solids content of approx. 20 - 23% when applied via gravure. Ideal coating viscosity is between 75-115 cP.

## SOLUTION POT LIFE

Vitel® 3200B in solution has very good pot life stability. If the container is well sealed, the solution will keep for at least 6 months at room temperature. When used in conjunction with a curative, pot life will vary. It is not recommended to hold the reactive solution more than 8 hours before application.

## DRYING

Drying conditions must be adjusted to the substrate, application weight and line speed in order to avoid the retention of solvents. The dried and fully cured adhesive film will be transparent and neutral in odor.

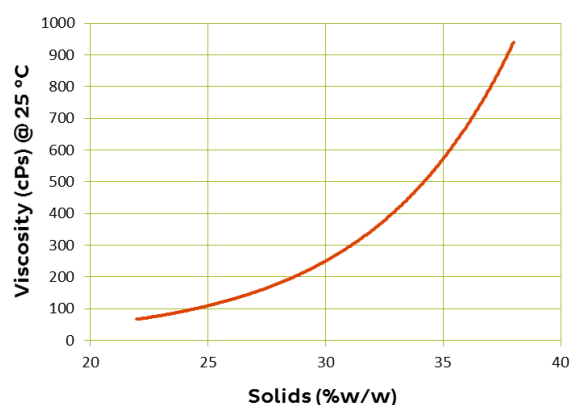
## ACTIVATION TEMPERATURE

The minimum activation temperature of Vitel® 3200B is 82 °C (180°F) but a temperature of 129 °C (264°F) is recommended.

## FOOD LEGISLATION

Vitel® 3200B complies with many internationally accepted guidelines for the production of articles intended to come into indirect contact with foodstuff. Please contact your Bostik Representative with the specific application.

## VISCOSITY CURVE - Methyl Ethyl Ketone



## HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet should be consulted for proper handling, clean up and spill containment before use. Keep containers covered to minimize contamination.

## LIMITED WARRANTY

The Limited Warranty for this product can be found at [www.bostik-us.com/resource-center/warranties](http://www.bostik-us.com/resource-center/warranties) or by calling 1-800-726-7845 (choose option 2, then option 2 again). To the maximum extent allowed by law, Bostik disclaims all other express or implied warranties, including without limitation warranties of merchantability and fitness for a particular purpose. Unless otherwise stated in the limited warranty, the sole remedy for breach of warranty is replacement of the product or refund of the buyer's purchase price. Bostik disclaims any liability for direct, incidental, consequential, or special damages to the maximum extent allowed by law. Disclaimers of implied warranties may not be applicable to certain classes of buyers and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

## BOSTIK HOTLINE

Smart help  
**1-800-726-7845**

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