



Vitel® 4400B2

HOT MELT COPOLYESTER RESIN

KEY FEATURES

- Good high temperature resistance
- Excellent wash resistance
- Excellent resistance to plasticizer migration

DESCRIPTION

Vitel® 4400B2 is a thermoplastic, high molecular weight, aromatic, linear saturated polyester resin. It is a crystalline polymer with moderate elongation and tensile strength. Due to the chemical composition, V4400B2 attains full, crystalline physical properties after several weeks at room temperature following application. Various techniques can be used to increase the rate of V4400B2 crystallization. This resin can be used as an extruded film form adhesive for thermal bonding.

PACKAGING

V4400B2 is available in drums (300lbs).

SHELF LIFE

Shelf life is 1 year when stored under normal conditions.

APPLICATION TECHNIQUES

All surfaces should be clean and free of loose elements. Apply the adhesive to the more difficult to bond surface. In general, hard, smooth surfaces are more difficult to bond than rough, porous surfaces. Mate the surfaces to be bonded as quickly as possible after adhesive has been applied for optimum bond strength. Use the firmest pressure practicable for object being bonded. Do not move or adjust surfaces after contact has been made, as inferior bond strength will result. V4400B2 is typically applied at 400 - 450°F.



TYPICAL PHYSICAL PROPERTIES

Description	Results
Appearance	Off-White Pellets
Softening Point (Ball & Ring)	284°F (140°C)
Viscosity	375,000 cP (175°C) 75,000 cP (225°C)
Intrinsic Viscosity	0.64 dl/g
Glass Transition (inflection)	82°F (28°C)
Chemical Resistance (water)	Excellent
Chemical Resistance (weak acids & alkalies)	Good
Chemical Resistance (fats and oils)	Good

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 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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