

TITEBOND® MP300 HiPURFORMER™ POLYURETHANE HOT MELT ADHESIVE

PHYSICAL PROPERTIES (TYPICAL)

Type Polyurethane
State Solid
Color Translucent
Dried film Opaque white
Solids 100%
Viscosity 11,000 cps @ 250°F.

Calculated VOC (less water): 1.1 g/L
Weight/gallon 9.7 lbs.
Flashpoint N/A
Freeze/thaw stability Will not freeze
Storage life 12 months in unopened foil pouch.
4 weeks after opened.

APPLICATION GUIDELINES

Application temperature 250°F.
Service temperature -20 °F. to 275 °F.
Method of application HiPURformer™ adhesive applicator
Coverage Approximately 71 linear feet of 1/16" (OD bead) per 50 gram cartridge
Working surfaces Surfaces must be dry and free from any dust, dirt or other material that may deter adhesion. Apply adhesive using the HiPURformer adhesive applicator. Join the surfaces to be bonded together, ensure proper alignment of pieces and hold firmly in place until the adhesive sets (approximately 5 minutes).
Cleanup Allow any squeeze out to become firm and remove it with a putty knife or scraper. Fully cured material must be removed by sanding or cutting. Do not use heat or flame to remove adhesive.
Bond strength at room temperature

Time	Strength psi
10 min.	118 psi
1 hr.	478 psi
24 hrs.	1016 psi

Important: To prolong the shelf life after initial use, extrude a one-inch bead of adhesive to purge any air from the cartridge tip, then immediately replace the cartridge cap tightly, while the adhesive is hot.
ALWAYS WEAR GLOVES.

PRODUCT FEATURES

- High-strength, permanent bonds
- Interior/Exterior - Passes ANSI/HPVA Type I testing - Waterproof
- Adheres to wood, melamine, PVC, ABS, ceramics, metals and most common substrates
- Greatly reduces or eliminates mechanical fasteners in many applications
- Solvent free and nonflammable
- Versatile performance
- Long set time - ideal for face frames and intricate assemblies
- Woodworking, finish carpentry, construction, repair
- UV indicator - visible under black light

LIMITATIONS

Not for continuous submersion or use below the waterline. Substrates that oxidize, such as copper and brass, must be abraded prior to bonding.

ORDERING INFORMATION

Cat. No.	Size	Units per Package	Weight	Packages per Pallet
1351	50 gram cartridge	10	2	120
1361	HiPURformer adhesive applicator	6	12	40

CAUTION STATEMENT

WARNING: Eye and Skin Irritant. Potential Skin and Respiratory Sensitizer. Caution: Contact with heated product may cause thermal burns. Always wear gloves. Contains isocyanates. Avoid contact with skin and eyes. Avoid prolonged or repeated contact with vapors. Do not swallow. May be harmful if swallowed. **First Aid:** If swallowed, do not induce vomiting. Call physician immediately. If eye contact occurs, flush eyes with water for 15 minutes and call physician. In case of skin contact, wash skin with soap and water. Seek medical attention if sensitization or rash occurs. If inhaled, move to fresh air and contact physician. For additional safety information, refer to Material Safety Data Sheet or call 1-800-347-4583.
KEEP OUT OF THE REACH OF CHILDREN.

Important Notice: Our recommendations, if any, for the use of this product are based on tests believed to be reliable. Since the use of this product is beyond the control of the manufacturer, no guarantee or warranty, expressed or implied, is made as to such use or effects incidental to such use, handling or possession or the results to be obtained, whether in accordance with the directions or claimed so to be. The manufacturer expressly disclaims responsibility therefore. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing laws and/or patents covering any material or use.

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