

# 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 for easy cleanup

## 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.

2020 Bruck Street, Columbus, Ohio 43207  
CUSTOMER SERVICE 1-800-669-4583  
TECH SERVICE 1-800-347-GLUE  
www.titebond.com

# Franklin International

© Copyright 2004 Franklin International. All rights reserved.