

## Technical Datasheet

Ashland Performance Materials

# PLIOBOND™

## Adhesives and Sealants

### PLIOBOND™ 30 General Purpose Adhesive

**Description** PLIOBOND 30 adhesive is a general purpose thermosetting adhesive that can be used to bond virtually all porous and non-porous substrates. When cured, PLIOBOND 30 adhesive provides tough, chip-resistant bonds that remain flexible over a wide temperature range. Substrates bonded with PLIOBOND 30 adhesive offer excellent resistance to mechanical shock and oxidization. This adhesive provides outstanding dielectric properties and has low water absorption. PLIOBOND 30 adhesive comes ready to use; no conditioner, accelerator, or catalyst is required. PLIOBOND 30 adhesive can be applied by spraying, roll coating, knife coating, or brushing.

**Suggested Uses** PLIOBOND 30 adhesive can be used as a sealer, primer, water repellent, or coating for metal, wood, plastic, plastic film, ceramic, bone, ivory, glass, rubber, paper, leather, plaster, drywall, insulation, concrete, brick, and stone. Other applications include:

- Assembling electrical appliances and equipment.
- Doping electric motor armature coils.
- Anchoring non-skid material to floors.
- Waterproofing awnings, tarps, convertible tops, outdoor furniture.
- Protecting above-water surfaces on watercraft.

**Alternate Products** PLIOBOND 40 is a higher solids and higher viscosity adhesive.

**Typical Liquid Properties at 77°F \***

|   |                                       |
|---|---------------------------------------|
| Base  | Synthetic Polymer                     |
| Color   | Tan                                   |
| Solids by Weight, %                                   | 30 ± 2                                |
| Solvent Formulation                                   | Ketone                                |
| Viscosity, cps, Brookfield, RVT Spindle No.4 @ 10 rpm | 6,000 ± 3,000                         |
| Specific Gravity                                      | 0.896                                 |
| Pounds per Gallon                                     | 7.46                                  |
| Flash point, °F (Seta Flash)                          | 20                                    |
| Coverage  | 340-360 sq ft/gal/dry mil             |
| Application Temperature, °F                           | 40-100                                |
| Service Temperature, °F                               | ASTM D-816-10 psi at 500°F for 1 hour |

\* Typical Values: Based on material tested in our laboratories but varier from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

**Method of Application** PLIOBOND 30 adhesive can be applied by spraying, roll coating, knife coating, or brushing.



Responsible Care\*

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### PLIOBOND™ 30 General Purpose Adhesive

**Handling and Safety** PLIOBOND 30 adhesive contains ingredients that could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. All five-gallon pails and larger metal containers should be grounded and/or bonded when material is transferred. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use a welding or cutting torch on or near drum (even empty) because product (even residue) can ignite explosively.

Ashland maintains Material Safety Data Sheets on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers.

Our Material Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Ashland products in your facilities.

**Storage and Shelf Life** When PLIOBOND 30 adhesive is stored indoors, out of direct sunlight, and in the original, unopened container between 60 °F and 80 °F, the shelf life is six months. Always rotate stock.

**DOT Label Requirements** Flammable Liquid

**Notice** All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which Ashland assumes legal responsibility. Any warranties, including warranties of merchantability or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

Since the user's product formulations, specific use applications and conditions of use are beyond the control of Ashland, Ashland makes no warranty or representation regarding the results which may be obtained by the user. It shall be the responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

Ashland requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.



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