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## **Bondthane™ UD-250**

**DESCRIPTION:** Bondthane™ UD-250 is an aliphatic polyester polyurethane dispersion that exhibits a hard film with high tensile strength and modulus values. It was specifically developed as a polymer for use in tough, clear and pigmented coatings on wood, metal, and plastics. Because of its excellent alkali and detergent resistance, it has found use in printing ink and overprint varnish applications. This polymer can be blended with many types of acrylic resins to enhance many properties of the final formulation.

**SUGGESTED APPLICATIONS:** Excellent choice for clear and pigmented wood coatings, inks, overprint varnishes and plastic coatings.

**TYPICAL  
PHYSICAL  
PROPERTIES:**

Solvent %:	8.5%	Acid #:	26
Solids (by weight):	35%	VOC (g/L less water):	262
Solids (by volume):	30.86%	Particle Charge:	Anionic
pH (@ 25 C):	7.5 - 9.5	König Hardness:	121 s
Viscosity (@ 25 C):	200 cps.	Tensile Strength:	5500 psi
Weight/gallon:	8.8 lbs/gal.	100% Modulus:	4000 psi
Specific Gravity	1.06	% Elongation:	200%

\*These values signify typical physical properties for comparative purposes only and are not intended as a specification.

**CROSSLINKING:** This product may be crosslinked with a variety of chemistries that can result in even better resistance properties. In almost all cases, crosslinking will result in either a two-component system or a system that will require heat activation. Ask your technical representative to explain crosslinking options and levels.

**SAFETY & HANDLING:** This product is waterborne but is intended for use by qualified professionals. As with all industrial products, please consult the Material Safety Data Sheet prior to use.

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