Witcobond® W-320
An aliphatic polyurethane dispersion

Witcobond W-320 urethane adhesive is an aliphatic polyurethane dispersion with zero V.O.C. The dispersion is nonionic and should have applications in adhesives and as a glass fiber binder. It is also useful as a binder for textile fiber and as an overprint coating. Witcobond W-320 urethane adhesive can be formulated over a wide pH range and has excellent heat and shear stability.

Latex Properties:
- Appearance: Milky liquid
- Solids %: 35
- Particle Charge: Nonionic
- Particle size, micrometers: 3
- Surface tension, dynes/cm: 39
- pH: 7
- Viscosity (Brookfield LV), cps @ 25°C: <500
- Density (lbs/gallon): 8.7
- Specific gravity at 25°C: 1.04
- Flash point (°C Pensky-Martens closed cup): >100
- Freeze/thaw stability: Passed 6 cycles
- VOC, Wt. %: 0
- VOC, g/L: 0
- Tg, °C: -12

Free Film Properties:
- Tensile strength, psi: 4450
- Ultimate Elongation, %: 700
- 100% Modulus, psi: 400
- 300% Modulus, psi: 630
- 500% Modulus, psi: 1050

Storage and Handling:
Please refer to our Material safety Data Sheet (MSDS). Witcobond aqueous dispersions should be mixed well before use. Shelf life is one year.