



199 Benson Road  
Middlebury, CT 06749 USA  
203-573-2000  
www.chemtura.com

Effective: 12.21.2007

# Witcobond<sup>®</sup> 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.

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