

Witcobond[®] 290HB

Technical Data

Witcobond 290HB is an aqueous polyurethane dispersion with no free isocyanate. This product is manufactured using substances listed in FDA 175.105-Adhesives (Substances for use only as components of adhesives used in the construction of food packaging).

Typical Dispersion Properties

Solids Content (%)	59 - 61
pH at 25°C	7 - 9
Viscosity at 25°C (cps)	200 - 800
Appearance	White
Polyurethane Dispersion Type	Aliphatic, polyester, anionic
Co-solvent: % / Type	0
Specific Gravity at 25°C	1.07
T _g / Minimum Film-Forming Temperature (°C)	- / 0

Typical Film Properties

Tensile strength (psi) / (MPa)	6000 / 40
100 % Modulus (psi) / (MPa)	300 / 2
Ultimate Elongation (%)	800
Blocking Temperature(°C)	170
Hardness: König / Sward / Pencil	30 / - / -

Safety, Storage and Handling Information

The appropriate Material Safety Data Sheet must be consulted before Witcobond 290HB is stored, transported or used. Witcobond 290HB dispersion should be protected from frost, and stored between 5°C and 30°C. Witcobond polyurethane dispersions should be stirred thoroughly before use. Under these storage conditions Witcobond 290HB in original, unopened containers has a shelf life of 12 months.



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