

Flexbond® 150 Emulsion

Technical Data Sheet

Revised: January 2009

Flexbond 150 emulsion is a vinyl acetate-based copolymer, which dries into a film exhibiting pressure sensitive properties. Flexbond 150 emulsion offers good tack and peel properties with moderate shear properties. This emulsion is mechanically stable and has excellent machinability. The dried film of this emulsion is completely clear and has excellent water resistance. This film also resists discoloration and "bleed-through" with aging, and degradation by ultraviolet light, oxygen and ozone.

Compounding

Compatible with most vinyl acetate homo-polymers and copolymers and elastomeric lattices. Can be compounded readily to selectively change such properties as "quick-stick" and low-temperature peel strength.

Applications

- Suited for use in permanent pressure sensitive applications, including labels, decals and tapes.
- Used as an adhesive base for laminating plastic film to scrims and nonwovens.
- Proven to be very effective in decorative vinyl chloride film applications.

Recommended Storage

Keep in tightly covered container. Maintain full containers to prevent loss of solvent. Store in cool place, preferably below 77°F (25°C)

Handling

Flexbond 150 emulsion contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. **For important health, safety and handling information, consult Ashland's Material Safety Data Sheet before using this product.**

DOT Label Required: Non-regulated

Shelf Life: 3 months from date of receipt
(when stored under recommended conditions)

TYPICAL EMULSION PROPERTIES

% Solids ¹	55 ± 1%
Viscosity, cPs ²	350-850
pH	4.5-6.0
Copolymer Type	Vinyl Acetate Copolymer
Stabilization	Anionic Surfactant and Cellulosic
Mechanical Stability	Excellent
Freeze Thaw Stability	Poor
Thickening Response	Low
Reaction to Borax	Stable
Wet Tack	Low
Density, lb/gal	8.5

TYPICAL FILM PROPERTIES

Water Resistance	Excellent
T _g	-28 °C
Film Clarity	Clear
Peel ³ , lb/in, SS	3.5
Dry Tack ⁴ , lb/in ² , SS	2.2
Static Shear ⁵ , hr (Cohesion)	4

¹ Cenco Moisture Balance

² Brookfield Viscometer, Model RVF, 20 RPM

³ PSTC-1, 30 min. dwell time, 24 g/m² PSA, 2 mil polyester backing

⁴ Loop Tack, 24 g/m² PSA, 2 mil polyester backing

⁵ PSTC-7, ½" x ½" contact area, 500 gram weight

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