



DURACET 300

DURACET 300 is relatively high molecular weight polyvinyl acetate emulsion formulation. This homopolymer will exhibit low viscosity build when formulated with plasticizers or solvents. This allows the formulator to exercise wide latitude in selecting the types and amounts of plasticizers or solvents to be used and still obtain a clean machining formulation.

PHYSICAL PROPERTIES

Polymer Type: Vinyl Acetate
Protective System: Polyvinyl Alcohol
Viscosity (cps): 4000 - 5500 (RVF, Spindle #3/10 RPM/77°F)
Percent Solids: 54.0% - 56.0%
pH: 4.0 - 6.0
Specific Gravity: 1.09 **Weight per Gallon (lbs):** 9.1
Freeze/Thaw Stability: Yes
Mechanical Stability: Excellent
Borax Compatible: No
Tg: 37°C (DSC)
Suggested minimum use temperature: 60°F/ 15.7°C
Plasticizer Response (avg): 1.6



ADDITIONAL INFORMATION

FILM PROPERTIES

Dry films of DURACET 300 are hard, with a glossy, translucent appearance. Plasticizer resistance is good.

COMPOUNDING INFORMATION

DURACET 300 may be thickened using high molecular weight polyvinyl alcohol solutions or conventional cellulosic thickeners. Solvent thickening is not particularly efficient, although solvents may be incorporated in order to enhance the specific adhesion by attacking a particular coating or film. Polar solvents, such as ketones, should be diluted prior to incorporation to prevent localized gel formation. DURACET 300 offers wide compatibility with a variety of conventional and proprietary plasticizers and will generally accept high plasticizer loadings without excessive loss of film tensile strength.

DURACET 300 conforms compositionally with FDA Regulation 175.105, 176.170, and 176.180.

STORAGE AND HANDLING

Shelf Life: Best if used within six months of date of manufacture. Mix before use for best results. Store in closed containers. Product is freeze-thaw stable but may need to be mixed prior to use.

For additional questions, Franklin's technical service team is available at 1.800.877.4583. **24/7** technical service is available online at www.franklinadhesivesandpolymers.com.

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