



DURACET 30

DURACET 30 is a low viscosity polyvinyl acetate homopolymer with relatively high molecular weight. This homopolymer will experience minimal viscosity build when formulated with plasticizers or solvents. This gives the formulator wide latitude when selecting the types and amounts of plasticizers and solvents to be used, and still obtain a formulation that is easily machined.



PHYSICAL PROPERTIES

Polymer Type: Vinyl Acetate

Protective System: Polyvinyl Alcohol

Viscosity (cps): 3000 - 4100 (RVF, Spindle #3/20 RPM/77 °F)

Percent Solids: 55.0% - 57.0%

pH: 4.5 - 6.0

Specific Gravity: 1.09 **Weight per Gallon (lbs):** 9.1

Freeze/Thaw Stability: Yes

Mechanical Stability: Excellent

Borax Compatible: No

Tg: 36°C (DSC)

Plasticizer Response (avg): 1.7

ADDITIONAL INFORMATION

FILM PROPERTIES

Dry films of DURACET 30 are hard, with a glossy, translucent appearance. Plasticizer resistance is good.

COMPOUNDING INFORMATION

DURACET 30 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 30 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 30 conforms compositionally with FDA Regulation 175.105, 176.170, and 176.180.

STORAGE AND HANDLING

Shelf Life: Six months at 70° F. Store in closed containers.

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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