



## Duracet 898

**Duracet 898** is a flexible self-crosslinking vinyl acrylic copolymer. This copolymer was designed for use as a binder for nonwovens, bulk builders in textile finishing, as flock adhesives or in any adhesives application requiring excellent water resistance. Duracet 898 is stabilized with a cellulosic colloid and also contains carboxyl functionality for additional specific adhesion and compounding versatility.



### PHYSICAL PROPERTIES

**Polymer Type:** Vinyl Acrylic (Self-Reactive)

**Colloid:** Cellulosic

**Viscosity (cps):** 500 - 2800 (LVF, Spindle #4/60 RPM/77° F)

**Solids:** 48.0 - 50.5%

**pH:** 4.2 - 5.0

**Weight per Gallon:** 8.9 pounds

**Freeze/Thaw Stability:** Yes

**Mechanical Stability:** Excellent

**Borax Compatible:** Yes

### ADDITIONAL INFORMATION

Dry films are flexible, glossy and clear. The water resistance is excellent if the polymer has been adequately cured. When immersed in perchlorethylene, the films will exhibit moderate swelling.

Duracet 898 should be thickened with cellulosic thickeners, although polyacrylate thickeners may be used if a pot life of less than 12 hours is adequate. Depending on conditions, this emulsion will generally dry and cure in from 1 to 4 minutes at from 275 to 300° F. If the cure time or temperature is marginal, catalysts such as aluminum chloride (0.5% on solution weight), diammonium acid phosphate (1.0%) or oxalic acid (0.1%) may be used. Water soluble melamine-formaldehyde resins (2% to 10%) will also co-react with this emulsion. The use of catalysts or reactive resins will shorten the useful pot life.

Duracet 898 conforms compositionally with FDA Regulations 175.105, 176.170, and 176.180.

### STORAGE AND HANDLING

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

#### IMPORTANT NOTICE TO CUSTOMER:

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