



Duracet 898

PRODUCT DESCRIPTION

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)	Borax Compatible:	Yes
Colloid:	Cellulosic	Weight per Gallon:	8.9 pounds
Viscosity (cps):	500 to 2800 (#4/60/77°F LVF)	Mechanical Stability:	Excellent
Solids:	48.0 to 50.5%	Freeze/Thaw Stability:	Yes
pH:	4.2 to 5.0	Shelf Life:	3 months

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 Regulation 175.105.

The data provided in this Technical Data Sheet represents typical physical and/or performance values for the product under a given set of testing conditions. The ranges or values are not specifications. Specifications will be set based on statistical analysis of measurements made by the Quality Control Laboratory on production material and will accurately reflect production capabilities. This data should be used as a guide for product selection only.

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