



# Duracet<sup>®</sup> 864

**Duracet<sup>®</sup> 864** is a flexible self-crosslinking vinyl acrylic copolymer. This copolymer was designed for use as a binder for nonwovens, and modifier with urea formaldehyde resins.

## PHYSICAL PROPERTIES

**Polymer Type:** Vinyl Acrylic

**Colloid:** Nonionic

**Viscosity (cps):** 50 - 350 (LVF, Spindle #2/30 RPM/77° F)

**Solids:** 53.0% - 55.0%

**pH:** 4.2 - 5.3

**Weight per Gallon:** 9.0 lbs

**Freeze/Thaw Stable:** Yes

**Mechanical Stability:** Excellent

**Borax Compatible:** Yes

**Surface Tension (dynes):** 37.25

**Glass Transition Temperature (T<sub>g</sub>):** (DSC): 11.7° C  
(DMA): 39.8° C



## ADDITIONAL INFORMATION

Dry films are flexible, glossy and clear. The water resistance is excellent if the polymer has been adequately cured. Duracet<sup>®</sup> 864 conforms compositionally with FDA Regulations 175.105 and 176.180.

## STORAGE AND HANDLING

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

### IMPORTANT NOTICE TO CUSTOMER:

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