



Duracet 827

PRODUCT DESCRIPTION

Duracet 827 is 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 (Self-Reactive)

Colloid: Cellulosic

Viscosity (cps): 800 - 2800 (LVF, Spindle #4/60 RPM/77° F)

Solids: 48% - 50%

pH: 4.2 - 5.0

Glass Transition Temperature (T_g): (DSC): 4.5 °C
(DMA): 26.8 °C

Borax Compatible: Yes

Weight per Gallon: 8.9 pounds

Mechanical Stability: Excellent

Freeze/Thaw Stability: Yes

ADDITIONAL INFORMATION

FILM PROPERTIES

Dry films are flexible, glossy and clear. The water resistance is excellent if the polymer has been adequately cured.

Duracet 827 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:

The recommendations and data contained in this Product Data Sheet for use of this product are based on information Franklin believes to be reliable. They are offered in good faith without guarantee, as conditions and methods for use of our product by Customer and are beyond Franklin's control. Customer must determine the suitability of the product for a particular application before adopting it on a commercial scale.

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