



Covinax 114-00

PRODUCT DESCRIPTION

Covinax 114-00 is a surfactant stabilized vinyl acrylic copolymer emulsion developed for permanent applications requiring high heat resistance. Its performance is characterized as extremely high shear, with moderate peel and tack. It has a high degree of carboxyl functionality, and maintains its high shear at elevated temperatures.

PHYSICAL PROPERTIES

Polymer Type:	Vinyl acrylic	Freeze/Thaw Stability:	Unstable
Protective System:	Anionic	Weight Per Gallon:	8.6
Viscosity (cps):	1500 Max (RVF, Spindle #3/60 RPM /77 °F)	Borax Compatible:	Yes
Percent Solids:	52% - 55%	Color:	White
pH:	3.8 – 7.0	Shelf Life:	6 months

ADDITIONAL INFORMATION

A 1 mil (28g/M²) dry film of Covinax 114-00 cast directly onto 1 mil thickness polyester film will exhibit the following average performance properties when tested on #304 stainless steel, which has a #3 surface finish.

Test	Performance Values
180 ° Peel Adhesion ¹	1.6 pounds
178 ° Shear Adhesion ²	2300 minutes
Loop Tack ³	1.2 pounds
Coating Weight	1.0 dry mil

Glass Transition Temperature (T_g): -24 °C

FDA Compliance: None

¹ Franklin International 03QC5002, 30 minute dwell.

² Franklin International 03QC5003, 0.25 square inch, 1000 gram load, 10 minute dwell.

³ Franklin International 03QC5004, 1 square inch contact, 1 second dwell.

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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