



Covinax 383-00

PRODUCT DESCRIPTION

Covinax 383-00 is a surfactant stabilized vinyl acrylic copolymer emulsion developed for high performance permanent pressure sensitive adhesive applications. It has an excellent balance of peel adhesion and shear adhesion from corrugate box, stainless steel, and most polymeric surfaces. It will resist cold flow and will die cut and convert well, giving dry edges to finished sheets and rolls.

PHYSICAL PROPERTIES

Polymer Type:	Vinyl acrylic	Freeze/Thaw Stability:	Unstable
Protective System:	Anionic	Weight Per Gallon:	8.6
Viscosity (cps):	50 - 215 (RVF, Spindle #2/100 RPM /77 °F)	Borax Compatible:	Yes
Percent Solids:	57% - 60.5%	Color:	White
pH:	4.0 – 5.0	Shelf Life:	6 months

ADDITIONAL INFORMATION

A 1 mil (28g/M²) dry film of Covinax 383-00 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	4.8 pounds
178° Shear Adhesion ²	133 minutes
Loop Tack ³	3.3 pounds
Coating Weight	1.0 dry mil

Glass Transition Temperature (T_g): -40 °C

FDA Compliance: 21 CFR 175.105

- 1 Franklin International 03QC5002, 30 minute dwell.
- 2 Franklin International 03QC5003, 0.25 square inch, 500 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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