



# Covinax 271-00

## PRODUCT DESCRIPTION

**Covinax 271-00** is a polyvinyl alcohol stabilized vinyl acrylic copolymer developed for permanent pressure sensitive applications involving paper labels and packaging applications. It exhibits excellent adhesion to synthetic films such as polyethylene, polypropylene, polystyrene, cryovac, teslin and polyester. It has a balance of tack and cohesive strength which make it ideal for many permanent applications. The polyvinyl alcohol colloid in Covinax 271-00 allows easy cleanup, and imparts excellent machining. It can be applied with a knife, rod, roller coater or extruded in beads for various packaging applications.

## PHYSICAL PROPERTIES

<b>Polymer Type:</b>	Vinyl acrylic	<b>Freeze/Thaw Stability:</b>	Unstable
<b>Protective System:</b>	Polyvinyl alcohol	<b>Weight Per Gallon:</b>	8.53
<b>Viscosity (cps):</b>	2,200 - 3,200 (RVF, Spindle #3/20 RPM /77°F)	<b>Borax Compatible:</b>	No
<b>Percent Solids:</b>	54% - 57%	<b>Color:</b>	White
<b>pH:</b>	4.5 - 5.5	<b>Shelf Life:</b>	3 months

## ADDITIONAL INFORMATION

A 1 mil (28g/M<sup>2</sup>) dry film of Covinax 271-00 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 <sup>1</sup>	3.3 pounds
178° Shear Adhesion <sup>2</sup>	70 minutes
Loop Tack <sup>3</sup>	2.6 pounds

**Glass Transition Temperature (T<sub>g</sub>):** -35 °C

**FDA Compliance:** 21 CFR 175.105

<sup>1</sup> Franklin International 03QC5002, 30 minute dwell.

<sup>2</sup> Franklin International 03QC5003, 0.25 square inch, 500 gram load, 10 minute dwell.

<sup>3</sup> 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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