



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

Polymer Type: Vinyl acrylic

Protective System: Polyvinyl alcohol

Viscosity (cps): 2,200 - 3,200 (RVF, Spindle #3/20 RPM /77°F)

Percent Solids: 54% - 57%

pH: 4.5 - 5.5

Freeze/Thaw Stability: Unstable

Weight Per Gallon: 8.53

Borax Compatible: No

Color: White

Shelf Life: 3 months

ADDITIONAL INFORMATION

A 1 mil (28g/M²) 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 ¹	3.3 pounds
178° Shear Adhesion ²	70 minutes
Loop Tack ³	2.6 pounds

Glass Transition Temperature (T_g): -35°C

FDA Compliance: 21 CFR 175.105

¹Franklin International 03QC5002, 30 minute dwell.

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

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

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