

## Covinax 258-00

**Covinax 258-00** is a surfactant stabilized acrylic copolymer developed for use as a freezer grade pressure sensitive adhesive. It has extremely low glass transition temperature allowing it to adhere to frozen surfaces and its aggressive tack permits application through thin layers of moisture or frost. Covinax 258-00 can also be blended with other polymers to impart low temperature properties to those polymers or to develop products which are all temperature grades.

Covinax 258-00 is FDA compliant under: 21CFR 175.105, 21CFR 176.180, 16CFR 1500.3(C)(4), and 16CFR 1500.3(C)(2)(i).

### PHYSICAL PROPERTIES

**Polymer Type:** Acrylic

**Protective System:** Anionic

**Color:** White

**Viscosity (cps):** 100 - 600 (LVF, Spindle #3/60 RPM /77 °F)

**Percent Solids:** 58.5% - 61%

**pH:** 3.8 - 4.5

**Weight Per Gallon:** 8.5

**Shelf Life:** 3 months

**Freeze/Thaw Stability:** Unstable

**Borax Compatible:** Yes

**Glass Transition Temperature (T<sub>g</sub>):** On-Set (DSC): -72.7 °C  
Mid-Point (DSC): -64.8 °C



### PERFORMANCE PROPERTIES

A 1 mil (28g/m<sup>2</sup>) dry film of Covinax 258-00 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	Typical Values	Specification Range
180° Peel Adhesion <sup>1</sup> (lbs)	1.3	1.0 minimum
178° Shear Adhesion <sup>2</sup> (minutes)	35	15 minimum
Loop Tack <sup>3</sup> (lbs)	3.3	2.0 minimum

**FDA Compliance:** 21 CFR 175.105;  
21CFR 176.180;  
16CFR 1500.3(C)(4);  
16CFR 1500.3(C)(2)(i).

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

<sup>2</sup>Franklin International 03QC5003, 1.00 square inch, 500 gram load, 10 minute dwell.

<sup>3</sup>Franklin International 03QC5004, 1 square inch contact, 1 second dwell.

### 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 of use of our product by Customer 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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