



Covinax 210-00

PRODUCT DESCRIPTION

Covinax 210-00 is a surfactant stabilized acrylic copolymer emulsion developed for ultra-removable pressure sensitive adhesive applications. It will perform well as a removable tape or label from most surfaces, including paper, glass, metal and plastics, exhibiting smooth non-tearing adhesion and maintains very constant peel adhesion even after extended aging.

Covinax 210-00 is FDA compliant under:

21 CFR 175.105, 21 CFR 176.170, 21 CFR 176.180, 16 CFR 1500.3(C)(2)(i), 16 CFR 1500.3(C)(4).

PHYSICAL PROPERTIES

Polymer Type:	Acrylic	Freeze/Thaw Stability:	Unstable
Protective System:	Anionic	Weight Per Gallon:	8.43
Viscosity (cps):	200 Max (RVF, Spindle #2/100RPM/77° F)	Color:	White
Percent Solids:	57.0 – 60.0	Shelf Life:	6 months
pH:	3.50 – 5.50		
Glass Transition Temperature (T_g):(DSC):	-53.4 °C		
	(DMA): -34.6 °C		

PERFORMANCE PROPERTIES

A 1 mil (28g/M²) dry film of Covinax 210-00 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 ¹ (lbs)	0.45	0.15 – 0.85
178° Shear Adhesion ² (minutes)	335	75 minimum
Loop Tack ³ (lbs)	0.80	0.40 – 1.20

FDA Compliance: 21 CFR 175.105
21 CFR 176.170
21 CFR 176.180

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.

**Covinax 210-00****AVERAGE APPLICATION PROPERTIES**

TEST/SUBSTRATE	Facestock: Paper				Facestock: BOPP Film			
	LDPE	HDPE	Vinyl	Corrugate	LDPE	HDPE	Vinyl	Corrugate
180 °peel (lb/lineal inch width) 30 minute dwell	0.061A	0.079A	1.25A	0.020A	0.213A	0.170A	0.841A	0.228A
90 °peel (lb/lineal inch width) 30 minute dwell	0.099A	0.113A	1.05A	0.003A	0.354A	0.245A	0.994A	0.216A
Loop Tack (lb)	0.24	0.57	1.13	0.09	0.35	0.61	0.82	0.62

	Facestock: Paper	Facestock: BOPP Film	Facestock: Mylar
178 °Shear (500 g, 0.25 in ²) (minutes)	9A	107C	335C
SAFT Testing (min/temp °C)	129/155 °C	128/154 °C	122/155 °C
Substrate: Stainless Steel		Coat weight: 1.0 mil (+/-0.1 mil)	

C = Cohesive A = Adhesive PT = Paper Tear FP = Fiber pick

ADDITIONAL INFORMATION**Yellowing (Colorimeter "b" value)**

UV Exposure (1 week) Mylar		Heat Exposure (1 week @ 140 °F) Paper	
Before	After	Before	After
4.75	7.32	2.45	6.14

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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