

Micronax 250-00

Repositionable Microsphere Adhesive

Micronax 250-00 can be used "as is" or formulated for a specific coater or application. This product features high solids, binderless spheres that are permanently repositionable, with moderate comparative peel and tack. Micronax 250-00 is designed for direct coating via Mayer rod, slot-die or gravure methods. TRANSFER COATING MAY NOT BE APPROPRIATE FOR THIS TECHNOLOGY. AGITATE BEFORE USING AT MODERATE SPEED WITH THE APPROPRIATE AIR MIXER.



PHYSICAL PROPERTIES

Polymer Type: Acrylic

Protective System: Surfactant Stabilized

Color: White

Viscosity (cps): 300 - 1100 (RVF, Spindle #2/20 RPM/77° F)

Percent Solids (%): 41.0 - 44.0

pH: 8.0 - 9.5

Average Sphere Size: 29 μ m

Weight Per Gallon: 8.4

Freeze/Thaw Stability: Unstable

Shelf Life: 6 months

Glass Transition Temperature (Tg):(DSC): -72.5° C

PERFORMANCE PROPERTIES

A 0.5 mil (14g/m²) dry film of **MICRONAX 250-00** 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	45 g (0.10 lb)	204 g (0.45 lb) maximum
Loop Tack ²	91 g (0.20 lb)	453 g (1.0 lb) maximum

Minimum Application Temperature: >32°F
Service (Use) Temperature: 20°F to 250°F

NOTE: Minimum application and service temperatures are dependent upon many factors including face stock, adhesive coat weight, adhesion, and intended application. We can only offer an estimate based on the Tg and typical performance properties of the adhesive.

¹Franklin International 03QC5002, 30 minute dwell.

²Franklin International 03QC5004, 1 square inch contact, 1 second dwell.

FDA Compliance: None

AVERAGE APPLICATION PROPERTIES

TEST/SUBSTRATE	Facestock: Paper				Facestock: BOPP Film			
	LDPE	HDPE	Vinyl	Corrugate	LDPE	HDPE	Vinyl	Corrugate
180° Peel (g/lineal inch width) 30 minute dwell	59 A	45.4 A	104.3 A	154.2 A	45.4 A	40.8 A	117.9 A	104.3 A
90° Peel (g/lineal inch width) 30 minute dwell	22.7 A	54.4 A	113.4 A	99.8 A	31.85 A	54.4 A	131.5 A	81.7 A
Loop Tack (g)	313	213.3	158.8	136.1	86.2	158.8	254.0	86.2

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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