

## Micronax 250-00

**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. Micronax 250-00 is FDA compliant under 21CFR 175.105, 21CFR 176.170 and 21CFR 176.180.



### 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  $\mu\text{m}$

**Density:** 8.3 lb/gallon

**Freeze/Thaw Stability:** Unstable

**Shelf Life:** 6 months

**Glass Transition Temperature (T<sub>g</sub>):(DSC):** -72.5°C

### PERFORMANCE PROPERTIES

A 0.5 mil (14g/m<sup>2</sup>) 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 <sup>1</sup>	68 g (0.15 lb)	204 g (0.45 lb) maximum
Loop Tack <sup>2</sup>	91 g (0.20 lb)	453 g (1.00 lb) maximum

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

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

<sup>2</sup>Franklin International 03QC5004, 1 square inch contact, 1 second dwell.



### 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.

All orders for Franklin products shall be subject to Franklin International, Inc.'s Standard Terms and Conditions of Sale which may be found at [http://www.franklini.com/Terms\\_and\\_Conditions.aspx](http://www.franklini.com/Terms_and_Conditions.aspx) ("Standard Terms"). Different or additional terms proposed by Customer are expressly rejected and shall not become part of the agreement between Customer and Franklin International, Inc. with respect to any order. Contact Franklin International, Inc. immediately if you cannot access our Standard Terms and we will provide you a copy upon request. Any sale of products by Franklin to Customer is expressly conditional upon Customer's consent to the Standard Terms, and Customer's acceptance of any performance by, or receipt of products from, Franklin International, Inc. shall constitute Customer's acceptance of the Standard Terms and Conditions of Sale.

© Copyright 2015. All rights reserved. Franklin International. Revised 12/23/15.