

Micronax 243-00

PRODUCT DESCRIPTION

Micronax 243-00 represents a breakthrough in water based pressure sensitive technology. This ultra removable, permanently repositionable product offers good quick stick to a wide variety of substrates. Micronax 243-00 can be applied repeatedly without loss of its initial quick stick. Micronax 243-00 is primarily used in repositionable applications, i.e., notes, wall borders, protective masking, memo pads and other applications requiring multiple application and removal cycles. The development of performance properties is highly dependent on the amount of adhesive applied. A typical coating weight of 6-8 lbs/ream is suggested as a starting point. Micronax 243-00 is designed for direct coating via Mayer rod or gravure methods. **TRANSFER COATING IS NOT APPROPRIATE FOR THIS TECHNOLOGY. AGITATE AT MODERATE SPEED BEFORE USE.**

Micronax 243-00 is FDA compliant under 21CFR 175.105.

PHYSICAL PROPERTIES

| | | | |
|--|---|-------------------------------|----------|
| Polymer Type: | Acrylic | Freeze/Thaw Stability: | Unstable |
| Protective System: | Alcohol and surfactant stabilized | Weight Per Gallon: | 8.09 |
| Viscosity (cps): | 100 – 600 (RVF, Spindle #2/50 RPM/77°F) | Color: | White |
| Percent Solids: | 29.5 – 32.0 | Shelf Life: | 4 months |
| pH: | 8.00 – 9.50 | | |
| Glass Transition Temperature (T_g):(DSC): | -70.4 °C | | |
| | (DMA): -55.0 °C | | |

PERFORMANCE PROPERTIES

A 1/2 mil (14g/M²) dry film of Micronax 243-00, 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 (gms) | 18.6 | 68.4gm (0.15lbs) maximum |
| Loop Tack ² (gms) | 90.8 | 226.8gm (0.50lbs) maximum |

FDA Compliance: 21CFR 175.105

1 Franklin International 03QC5002, 30 minute dwell.

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

**Micronax 243-00****AVERAGE APPLICATION PROPERTIES**

| TEST/SUBSTRATE | Facestock: Paper | | | | Facestock: BOPP Film | | | |
|--|------------------|-------|-------|-----------|----------------------|-------|--------|-----------|
| | LDPE | HDPE | Vinyl | Corrugate | LDPE | HDPE | Vinyl | Corrugate |
| 180° peel (gm/lineal inch width) 30 minute dwell | 22.2A | 20.9A | 69.9A | 26.3A | 37.2A | 25.4A | 61.3A | 33.6A |
| 90° peel (gm/lineal inch width) 30 minute dwell | 19.2A | 18.2A | 61.6A | 22.8A | 95.3A | 70.9A | 145.3A | 90.8A |
| Loop Tack (gms) | 104.4 | 109.0 | 113.5 | 54.5 | 95.3 | 70.9 | 145.3 | 90.8 |

| | Facestock: Paper | Facestock: BOPP Film | Facestock: Mylar |
|-------------------------------|---------------------|-----------------------------------|---------------------|
| SAFT Testing (min/temp °C) | 1/28° C | 1/28° C | 31/61° C |
| Substrate: Stainless Steel | | Coat weight: 0.5 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 |
| 4.76 | 6.78 | 2.95 | 7.60 |

The data provided in this Product Data Sheet represents typical physical and/or performance values for the product under a given set of testing conditions. The ranges or values are not specifications. Specifications are set based on statistical analysis of measurements made by the quality control laboratory on production material and will accurately reflect production capabilities. This data should be used as a guide for product selection only.

Important Notice to Purchaser: Our recommendations, if any, for use of this product are based on tests believed to be reliable. The greatest care is exercised in the selection of our materials and in our manufacturing operations. However, we make no recommendation to use this product in any manner which conflicts with existing laws and/or patents and WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS PRODUCT OR ITS USE, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, THE MANUFACTURER IS NOT LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES OF ANY KIND. Revised 07/23/08.

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