

Micronax 241-01

Repositionable Microsphere Adhesive

Micronax 241-01 is a water-based pressure sensitive adhesive that utilizes our proprietary microsphere technology. This ultra-removable, repositionable product offers good quick stick to a wide variety of substrates. Labels coated with Micronax 241-01 can be attached and re-attached repeatedly without loss of its initial quick stick and without ghosting (residual adhesive left behind). Labels can be easily removed from a variety of substrates without marking or damaging the surface. Even delicate surfaces like newspaper will not be damaged when removing advertisement notes coated with Micronax. Micronax 241-01 DEV can be used for protective masking tapes and paper, wall boarders and graphics, postal labels, retail labels, and other instances where a clean removable or repositionable behavior is needed.

The development of performance properties is highly dependent upon the amount of adhesive applied. A typical coating weight of 10-13 g/m² (6-8 lb/ream) is suggested as a starting point. Micronax 241-01 is designed for direct coating via Mayer rod or gravure methods. Transfer coating may not be appropriate for this technology. **AGITATE AT MODERATE SPEED BEFORE USE.**



PHYSICAL PROPERTIES

Polymer Type: Acrylic

Protective System: Alcohol and surfactant stabilized

Color: White

Viscosity (cps): 400 Max (RVF, Spindle #2/50 RPM/25°C)

Percent Solids (%): 30.0 - 34.0

pH: 8.0 - 9.5

Weight Per Gallon: 8.3

Freeze/Thaw Stability: Unstable

Shelf Life: 4 months in closed container (Protect from freezing)

Glass Transition Temperature (T_g): (DSC): -70°C

PERFORMANCE PROPERTIES

A 1/2 mil (14g/m²) dry film of **Micronax 241-01** 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	Target Range
180° Peel Adhesion ¹	91g (0.20 lb)	227g (0.50 lb) maximum
Loop Tack ²	136g (0.30 lb)	363g (0.80 lb) maximum

¹Franklin International 03QC5002, 30 minute dwell.

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

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.

FDA Compliance: NONE

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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