

# SmartRags Mid-weight Microfiber Cloth Box

**50 count, 16" x 16" • 35 gram • 215 gsm**

NEW! The Mid-weight SmartRags® dispenser box joins our wholesale microfiber towel collection. Mid-weight SmartRags® boxes include 50 pop-up 16" x 16" microfiber rags with precision-cut seamless edges. Larger than our original 12" x 12" SmartRags, the mid-weight SmartRags are 35 grams and 215 GSM. Mid-weight SmartRags® work perfectly for office supply closets, janitorial utility carts, garages, break rooms, and workshops.

**Automotive Shops, Manufacturing Plants, Corporate Offices, Urgent Cares, Hospitals, and Nursing Homes** require easy-access to microfiber rags for their cleaning staff. The SmartRags® Collection of microfiber cloth dispensers defends against dangerous dirt and grime in three sizes/weights. Color-coded cloths are designed for safe space vs. danger zone cleaning to minimize cross-contamination. SmartRags wholesale microfiber towels work like "1-2-3"!



## Details

Part Number	GSM	Grams/Piece	Color	Size/Inches	Packing	Case Dimensions (inches)	Case Weight	UPC
M931B	215	35	Blue	16x16	8 BOXES/CASE	25" x 17" x 17"	38 lbs	764950-84610-0
M931G	215	35	Green	16x16	8 BOXES/CASE	25" x 17" x 17"	38 lbs	764950-84611-7
M931P	215	35	Hot Pink	16x16	8 BOXES/CASE	25" x 17" x 17"	38 lbs	764950-84614-8
M931W	215	35	White	16x16	8 BOXES/CASE	25" x 17" x 17"	38 lbs	764950-84613-1
M931Y	215	35	Yellow	16x16	8 BOXES/CASE	25" x 17" x 17"	38 lbs	764950-84612-4

## Technical Specifications

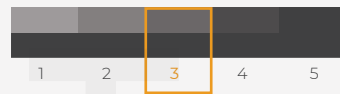
■ Pass ■ Acceptable ■ Fail

Color Fastness to Washing  
3



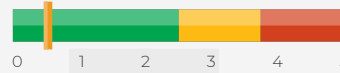
Color Fastness to Rubbing

3



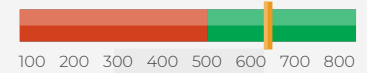
Absorption Speed

<1 s



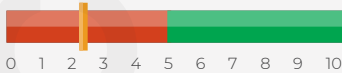
Total Absorption

647%



Shrinkage after Washing

MD 2.1%



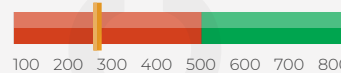
Shrinkage after Washing

CD 1.5%



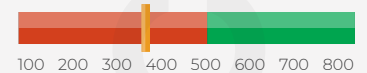
Tensile Strength

MD 290.5



Tensile Strength

CD 380.9



Elongation - MD

37.8%



Elongation - CD

39%



# The standards that we are measured by are globally-recognized. The standards that we hold ourselves to are higher.

## Size & Weight Tolerance

Since microfiber cloths are woven products, there will be a variation in size and weight when coming off the loom. We use QIMA to measure our towels against industry-standard tolerance levels.

## Dimensional Stability to Washing

The GB/T- 8630-2013 standard This standard was developed by the China National Textile and Apparel Council. It specifies a method to determine the dimensional change of textiles after washing and drying. This standard is applicable to textile fabrics, clothing, and other textile products and measures shrinkage after five washes.

## Absorption

GB/T 22799-2009 tests the absorbency water into a fabric. GB/T 22799-2009 also tests the initial absorption speed of a fabric. Speed and weight work together to produce a deeper understanding of the fabric's ability to absorb. To pass Absorption Speed a 5"x5" square of fabric must be completely saturated in under five seconds. Total Absorbency is the amount of water absorbed into the fabric at the end of that five seconds.

Buyer beware! Many manufacturers use fabric softener to make their towels seem softer. This reduces the absorbency rate of a towel. Water beads on the surface as the softener clogs the fabric with an impermeable chemical.

## Color Shade Standard AATCC

The color change scale consists of nine pairs of grey colored chips, from grades 1 to 5 (with four half steps). Specimens of a given hue match against grey chips. They equate differences in lightness with differences in color. One sample is a control, the other is washed. Grade 5 represents no change, and grade 1 depicts a severe change in some standards.

## Color Fastness to Rubbing – “Dry Crocking”

Dry Crocking is done using AATCC<sup>®</sup> Crock Meter that rubs a dry piece of sample against a white fabric for a specific time. Then the white piece of fabric was measured against AATCC<sup>®</sup> Grayscale for staining to see how much color was migrated.

## Color Fastness to Washing – “Wet Crocking”

Dry Crocking is done using AATCC<sup>®</sup> Crock Meter that rubs a wet piece of sample against a white fabric for a specific time. Then the white piece of fabric was measured against AATCC<sup>®</sup> Grayscale for staining to see how much color was migrated.

## Breaking Strength

Fabric breaking strength is also can be called tensile strength, which refers to as the maximum tensile force when the specimen is stretched to break. It is one of the main standards to assess the intrinsic quality of textiles. The unit of fabric breaking strength is “Newton (N)” and it is used to evaluate the capability of the fabric to resist to tensile damage. Microfiber is tested two ways: Machine Direction (MD) is the length of the microfiber roll. Cross Direction is the defined width of the fabric (typically much shorter).

## Elongation

Microfiber fabric is stretchable. Elongation is how much you can stretch it without breaking or tearing the fabric against the original size.

The stretched portion of the fabric is converted into a percentage, with 50% being the minimum. Microfiber is tested two ways: Machine Direction (MD) is the length of the microfiber roll. Cross Direction is the defined width of the fabric (typically much shorter).



# Q I M A<sup>®</sup>

### QC Tailored for the Textiles Industry

Modern textile manufacturers employ progressively more sophisticated methods and use a variety of natural, man-made, and synthetic fibers. The quality and durability of fabrics are directly affected by the quality of fibers, correct choice of dyes and colorants, and the use of appropriate manufacturing processes. QIMA offers inspections and laboratory tests for all modern textiles.



AATCC—the American Association of Textile Chemists and Colorists—provides test method development, quality control materials, educational development, and networking for textile and apparel professionals throughout the world.

AATCC<sup>®</sup>: AATCC Gray Scale for Color Change

AATCC<sup>®</sup>: AATCC Gray Scale for Staining

AATCC<sup>®</sup>: AATCC - 9 Step Chromatic Transference Scale

20 AATCC AFU: After 20 Fading (Hours) Units



### Guobiao Chinese National Standards

GB/T standards are the China national standards, also called as Guobiao Standards. China GB/T standards are classified as two stages, Mandatory or Recommended. Mandatory standards have the force of law as do other technical regulations in China. They are enforced by laws and administrative regulations and concern the protection of human health, personal property and safety.