

SMARTROLLS®

4000 Series UnderStencil Wiping Rolls - YAMAHA

Technical Data Sheet

Description

4000 Series is a hydroentangled blend of 54% cellulose / 46% polyester cleanroom grade wiping roll for cleaning under stencils between prints. This material effectively removes residual adhesives, solder pastes and fluxes, with or without solvents. Using our high quality wiping roll will help prevent many common production defects like bridging, smearing, solder balls, and other problems associated with circuit board printing. Due to its excellent airflow characteristics, this material will not compromise vacuum power, optimizing aperture cleaning performance. Made from Sontara® fabric, the one material that does it all. 4000 Series UnderStencil Wiping Rolls are the standard in wiping technology!



Hydroentanglement: also known as spunlacing, entangles the fibers to give strength to the web. It uses fine, high-pressure jets of water to strike a web to intermingle the fibers, resulting in the bonded fabric being a non-woven. Nonwovens made by this method have high fabric integrity.

Custom Option: we offer custom roll configurations to maximize production requirements and improve the wiping process. Eliminate excess waste, minimize contaminated solid waste and reduce hazardous disposal fees.

Static Dissipative ESD Safe Film: SmartRolls are shrink wrapped in a protective static dissipative ESD safe film with superior static control capabilities. Our static dissipative ESD safe film has the lowest surface resistivity, that remains at a constant level over extended periods. This transparent film is amine-free and has inherent antistatic properties which provide permanent product stability. Its contact clarity allows easy identification of the packaged contents. Made of top grade polylefin resins, is polycarbonate compatible, completely recyclable and contains no harmful substances. Our shrink film is a light packaging concept that is environmentally safe and limits post-consumer waste.

Features

Absorbent: highly absorbent and fast wicking ~ wicks consistently across the material to ensure a more productive clean.

Strong: advanced structure of exceptional strength, even when wet ~ tear and shred resistance raises MTBF (mean time between failures) and reduces operator intervention, increasing efficiency.

Non-abrasive: soft texture, won't scratch surfaces, wet or dry.

Low Particle: extremely low in soluble extractables and metallic ions - no binders, starches or thermal bonding techniques. The absence of binder or surface modifiers minimize contamination.

ESD Packaged: each roll is shrink wrapped in protective film.

Chemical Tolerance: won't break down, resistant to all current Surface Mount solvents.

Shelf Life

Shelf Life: The shelf life is 1 year when stored under proper conditions and in their original un-opened packaging, stored at room temperature, away from direct heat or sunlight.

The above is typical physical property test data applicable to the sample reference name and should not be construed as a specification.

Disclaimer: The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability and fitness for use. All users of the material are responsible for assuring that it is suitable for their needs, environment and end use. All data is subject to change as High-Tech Conversions deems appropriate.

Performance Characteristics:

Test	Value
Basis Weight	
(oz/yd ²)	1.50
(g/m ²)	50.8
ASTM Test	D3776
Composition	
Polyester %	46
Wood pulp %	54
Thickness	
(mils)	12
(mm)	0.30
ASTM Test	D1117
Grab Tensile / Breaking Strength	
MD (lbs)	28.0
N	125.0
XD (lbs)	16.0
N	71
N ASTM Test	D5034

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Specifications:

PART NO.	LENGTH	CORE ID	CORE OD	ROLL OD	PAPER WIDTH	FEET PER ROLL	CORE MATERIAL	NOTCHES	TAPE	UNITS/CASE	CASE DIMENSIONS
40006YAM	17.32" (440 mm)	1"	1.25"	3.75"	17.32" (440 mm)	98' (30 m)	Paper	No	No	15*	30" x 14" x 12"
40026YAM	17.25" (438 mm)	1"	1.25"	3.5"	17.25" (438 mm)	85' (26 m)	Paper	No	No	15	20" x 16" x 13"
40033YAM	20.75" (527 mm)	1"	1.25"	3.55"	20" (508 mm)	98' (30 m)	Paper	No	No	15*	24" x 12" x 10"
40055YAM	14.17" (360 mm)	1"	1.25"	3.6"	10" (254 mm)	98' (30 m)	Paper	No	No	15	20" x 16" x 10"
40058YAM	10.2" (259 mm)	1"	1.25"	3.55"	10.2" (259 mm)	99' (30 m)	Paper	No	Yes	15	24" x 12" x 10"
40062YAM	17.25" (438 mm)	1"	1.25"	3"	17.25" (438 mm)	75' (23 m)	Paper	No	Yes	15	20" x 16" x 10"

*packed in 2 boxes, weight per box

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