



SURCLEAN

Electronic Production Materials

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Ultrawipe / Ultraroll Lint Free Wipe – Technical Specification

General Product Description

Ultrawipes are manufactured from a synergistic blend of virgin Polyester and Rayon hydro entangled into a high strength uniform fabric. The material is a premium quality product that has been custom developed to provide the optimum balance of attributes such as high absorbency, toughness, abrasion resistance and freedom from particle generation and abrasive characteristics found in other competing materials that contain wood pulp derived cellulose.

Ultrawipe material contains no wood pulp or reconstituted materials.

Ultrawipe has been specially developed for the demanding service conditions of Under Stencil Automatic Cleaning systems and heavy-duty manual wiping tasks. It is also suited to critical applications involving lens and optic cleansing. Ultrawipe material is stable when saturated with all types of industrial solvents, acids, alkali; amines etc. and exhibits exceptional wet burst strength and stability when pre-saturated with cleaning solvent blends.

Technical Specification – Ultrawipe material

Basic weight – 68 gms/sq.mtr	Dry tensile strength - 3230 MD n/m
Dry elongation - 0.68 MD u/u	- 1104 CD n/m
- 0.97 CD u/u	Wet tensile strength - 3135 MD n/m
Wet elongation - 2.25 MD n/n	- 624 CD n/m
- 0.98 CD n/n	Mullen burst – 248 K Pa
Tear Strength - 87 MD grams	Absorption capacity – 650% typical
- 98 CD grams	Water absorption – 42 cc / 100 cm ² typ.

Other Data-Extractable Ions in:-

Deionised Water (PPM)	
Chloride	13
Sodium	<10
Potassium	<21
Magnesium	<9
Calcium	29
Aluminium	<5

Non Volatile Residue (g/m²)

Deionised Water	0.160
Isopropyl Alcohol	0.125
1,1,1 Trichloroethane	0.13
Freon	0.077
Total Halogens (PPM)	210
Total Sulphur (PPM)	<10.0

Particle Generation

Particles $\geq 0.5 \mu\text{m}/\text{m}^2$ (millions)
IES-RP-CC-004.2, section 5.1

Materials were examined according to the suggested application. Specs as low as 15.2 mil & up to 22.0 mil were indicated.