

# **ALX Technical**

**ESD Paper Manufacturer for over 40 years**

## Technical Data Sheet

## Static Dissipative Paper

ALX ESD paper is a **permanently static dissipative** paper product.

Low sensitivity to changes in relative humidity, and almost free in component critical contaminants.

The paper has a hard surface, is printable with no bleeding and virtually lint free. Cleanroom compatible.

Available in single sheets or machine printer rolls, and can be supplied blank or pre-printed.

ALX ESD Paper removes the threat of ESD damage from Human Body Model (HBM) discharges greater than or equal to 100 volts. Our results are typically less than 50 volts.

ALX Static Dissipative Papers exhibit superior physical properties compared to regular paper.

High tensile strength	High burst strength
High moisture and solvent resistance	RoHS compliant
High water resistance	Class 10,000 Cleanroom compatible

Two thickness (calipers) offered: 0.004" and 0.0080"

Typical Test Data - Physical:

Base weight (3000 sq. ft.)	20#	40#
Thickness (+ - 0.0005")	0.004" (0.097mm)	0.0080" (0.2mm)
Resistivity (@ 15% RH)	2.2x10 <sup>9</sup>	3.0x10 <sup>9</sup>
Resistivity (@ 50% RH)	2.3x10 <sup>7</sup>	4.3x10 <sup>7</sup>
Tear Strength (MC/CD)	30/32	30/32
Tensile Strength (MC/CD)	22/14	22/14
Smoothness (Sheffield)	50/50	50/50

Typical Test Data - Chemical:

Ph (acid level)	7.02 (neutral)
Chloride (Cl)	< 100 ppm
Nitrate (NO <sub>3</sub> )	< 10 ppm
Amine (NH <sub>2</sub> - R)	< 55 ppm
Sodium (Na)	< 85 ppm
Sulphate	< 90 ppm

Shelf Life (Minimum) 5 years

Standard Sizes:

8 1/2 x 11" loose sheet	(0.0040" and 0.0080" thick)
11 x 17" loose sheet	(0.0040" and 0.0080" thick)

Other custom sizes available

Colors: (standard)

White, white w/pink stripe\*, Blue, Green, Pink, Yellow

\*Patent trademarked

Rolls: roll paper is available from 2.25" to 36" wide on various cores 1/2" to 3"

ESD Paper is Recyclable and RoHS Compliant



Static dissipative surface resistance of  $1 \times 10^6 < 1 \times 10^9$  ohms per ANSI/ESD STM11.11  
Complies with Packaging standard ANSI/ESD S541

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**ALX 'Pink Stripe'** - the Original and trusted ESD Paper for the Electronics Industry.