


PRODUCT

ESD Cellulose Tape

TECHNICAL DATASHEET

DESCRIPTION

ESD tape made from a natural transparent, antistatic, cellulose tape with an environmentally friendly hot glue adhesive. This tape is designed to be used within EPAs for packaging bags and boxes and for any other packaging requirements.

FEATURES

- Available in 2 widths: 25mm and 50mm
- Each roll is 66 meters long

Backing Material: Natural transparent cellulose

Thickness: $27 \pm 0.66\mu\text{m}$ ($40\text{g}/\text{m}^2$)

Adhesive: Environmentally friendly hot glue

Thickness: $20 \pm 1\mu\text{m}$ ($20\text{g}/\text{m}^2$)

PRODUCT CODE	DESCRIPTION	SIZE (METRIC)	SIZE (IMPERIAL)	QUANTITY
054-0123	ESD Cellulose Tape	25mm x 66m	1in x 216.5ft	Each
054-0124	ESD Cellulose Tape	50mm x 66m	2in x 216.5ft	Each

TECHNICAL INFORMATION

MATERIAL CONTENT	SUBSTANCE NAME	SUBSTANCE RATIO
Transparent Cellulose	$(\text{C}_6\text{H}_{10}\text{O}_5)_n$	53.33%
Softener	$\text{C}_3\text{H}_8\text{O}_3$	8%
Water	H_2O	5.33%
TPE	SIS	21%
Tackyfying Resin	C5Petroleum Resin	5%
Tackyfying Resin	Hydrogenated Rosin	4%
Softener	Liquid Paraffin	1.67%
Viscosity Modifier	Paraffin wax and hydrocarbon wax	0.17%
Flame Retardant	Chlorinated Paraffin	1.5%

To request a quotation or for more information, please call **+44 (0)1473 836200**
 email info@antistat.co.uk or visit www.antistat.co.uk

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PHYSICAL PROPERTIES

TEST ITEMS	UNIT	AVERAGE VALUE	TEST RESULT
Average Thickness	µm	47	48
180°C Peel Strength	N/cm	≥2.5	6.1
90°C Peel Strength	N/cm	≥2.0	5.3
Initial Adhesion	N	≥8	15.8
Holding Adhesion	h	≥24	48
Tensile Strength - longitudinal	N/cm	≥15	38.5
Elongation at break - longitudinal	%	≥8	21.3
Unwinding Force at Low Speed	N/cm	≥0.5	0.082
Surface Resistance	ohms	10 ⁸ - 10 ¹⁰	10 ⁸ - 10 ¹⁰
Tribocharging	V	Less than 100	Less than 100

APPLICATION CONDITIONS

Recommended Using Environment	Parameter
Temperature	10-100°C
Humidity	45-75%
Storage Temperature	<50°C
Storage Humidity	Keep sealed away from light
Storage Time	12 months

SPECIFICATIONS

CONTENT	MEASUREMENT	TESTING VALUE
Thickness	µm	47
Width	mm	25/50
Length	m	66
Paper Core	mm	76
Weight	g/m ²	60

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