

Lab-Tips® ESD Swab-LTP1465ESD

ESD Knitted Polyester Swab with Long Handle

Cleanroom laundered double layer 100% polyester knit swab

The LTP1465ESD swab features an ESD long handle, engineered with static dissipative polymer. It is a general purpose swab specially suited for cleaning hard to reach areas. Its flexible paddle tip and durable cleanroom laundered knit head are excellent for rigorous cleaning applications.



Key Attributes

- Cleanroom laundered 100% continuous filament polyester knit head
- Long polypropylene handle with a flexible paddle head
- Laundered and packaged in ISO Class 4 {Class 10} cleanroom
- Static dissipative polypropylene handle with thermally bonded head

Benefits

- Critically low particles, fibers, ions and extractables
- High abrasion resistance for rigorous cleaning applications
- Excellent chemical resistance
- No contaminating adhesives
- Good sorbency
- Free from Silicone, amides and DOP
- Packaged in an anti-static bag

Environmental

- Complies with RoHS and REACH requirements

Applications

- Designed for the highest level of contamination control in critical processing applications
- Cleaning of sensitive equipment
- Applying lubricants and other liquids
- Surface sampling
- Cleaning validation
- Static sensitive applications
- Cleaning with solvents

Physical Characteristics

Head Material	Knitted Polyester	Handle Thickness	3.1mm {0.122"}
Head Width	7mm {0.275"}	Handle Length	145mm {5.71"}
Head Thickness	4mm {0.157"}	Total Swab Length	162mm {6.38"}
Head Length	16.8mm {0.661"}	Head Bond	Thermal
Handle Material	Polypropylene	Handle Text	Berkshire
Handle Width	3.1mm {0.122"}		

Other Foam Sock Tip Swabs

- LTO70PESD Pointed Swab
- LTO70RESL Short handle rigid head

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Europe	Tel 44 (0) 870 757 2877	Fax 44 (0) 870 757 2878	enquiries@berkshire.uk.com
SE Asia	Tel 65 6252 4313	Fax 65 6252 4312	enquiries@berkshire.com.sg
Japan	Tel 81 3 5827 2380	Fax 81 3 5827 2382	master@berkshire.co.jp

Technical Data:

ATTRIBUTE		LTP1465ESD	TEST METHOD
Surface Resistivity of Handle	ohms	1.0 x 10 ⁹	ANSI/ESD STM 11.13
Volume Resistance of Handle	ohms	1.0 x 10 ⁸	ANSI/ESD STM 11.13
Non-Volatile Residue	IPA mg/swab	0.045	IEST-RP.CC004.3, Sec 7.1.2
Ions (µg/swab)	Chloride	0.035	IEST-RP.CC004.3, Sec 7.2.2
	Sulfate	0.023	
	Nitrate	ND*	
	Phosphate	ND*	
	Fluoride	ND*	
	Potassium	0.044	
	Calcium	0.036	
	Sodium	0.015	
	Magnesium	0.0052	

Notes:

- Data shown are typical values
- Due to differences in test methods applied and equipment utilized by different swab manufacturers, valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
- * ND* = below the detection limit of the equipment.

Order Information:

Product	Part Number	Size	Swabs/pk	Pks/cs	Case size
Long Handle ESD Polyester Swab	LTP1465ESD10	162mm	100	10	180 x 150 x 170mm

Other Berkshire products



Wipers



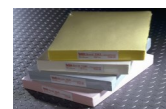
Mop Systems



Face Masks



Glove Liners



Documentation Systems



Swabs

Lab-Tips® ESD Swab-LT070RESD

Small Open Cell Foam ESD Swab with Rigid Tip

Cleanroom laundered 100 ppi reticulated foam sock head swab

The LT070RESD Swab with the rigid tip features an ESD safe handle, engineered with static dissipative polymer. It is an excellent general purpose swab for cleaning small and confined areas. It's cleanroom laundered open cell foam head combines superior cleanliness with particle entrapment capability.

A small rigid handle and rigid core provide firm support and precise control.



Key Attributes

- Cleanroom laundered polyurethane foam over rigid core
- 100 ppi open cell reticulated foam
- Laundered and packaged in ISO Class 4 {Class 10} cleanroom
- Static dissipative polypropylene handle with thermally bonded head

Benefits

- Low particles, fibers, ions and extractables
- Good chemical resistance
- Soft and non-abrasive with no contaminating adhesives
- Good sorbency and excellent solvent hold
- Free from Silicone, amides and DOP
- Packaged in an anti-static bag

Environmental

- Complies with RoHS and REACH requirements

Applications

- Designed for the highest level of contamination control in critical processing applications
- Cleaning of sensitive equipment
- Applying lubricants and other liquids
- Removing excess materials
- Static-sensitive applications

Physical Characteristics

Head Material	Open Cell Foam	Handle Thickness	2.8mm {0.110"}
Head Width	4mm {0.157"}	Handle Length	58mm {2.28"}
Head Thickness	4mm {0.157"}	Total Swab Length	70mm {2.75"}
Head Length	12.5mm {0.492"}	Head Bond	Thermal
Handle Material	Polypropylene	Handle Text	Berkshire
Handle Width	2.8mm {0.110"}		

Other Foam sock tip swabs

- LT070PESD Pointed swab
- LT01465ESD Long handle swab

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Technical Data:

ATTRIBUTE		LTO70RESD	TEST METHOD
Surface Resistivity of Handle	ohms	1.0 x 10 ⁹	ANSI/ESD STM 11.13
Volume Resistance of Handle	ohms	1.0 x 10 ⁸	ANSI/ESD STM 11.13
Non-Volatile Residue	IPA mg/swab	0.035	IEST-RP.CC004.3, Sec 7.1.2
Ions (µg/swab)	Chloride	0.044	IEST-RP.CC004.3, Sec 7.2.2
	Sulfate	0.022	
	Nitrate	ND*	
	Phosphate	ND*	
	Fluoride	ND*	
	Potassium	0.0038	
	Calcium	0.024	
	Sodium	0.081	
	Magnesium	0.0043	

Notes:

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- * ND* = below the detection limit of the equipment.

Order Information:

Product	Part Number	Size	Swabs/Pk	Pks/Cs	Case size
Small ESD Foam w/ Rigid Tip	LTO70RESD20	70mm	100	20	235 x 105 x 85mm

Other Berkshire Products



Wipers



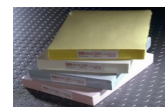
Mop Systems



Face Masks



Glove Liners



Documentation Systems



Swabs

Lab-Tips® ESD Swab-LT070PESD

Small ESD Swab with Pointed Tip

Cleanroom laundered 100 ppi open cell foam sock swab

The LT070PESD swab with pointed head features an ESD safe handle, engineered with static dissipative polymer. Its laundered open cell foam head combines superior cleanliness with particle entrapment capability. Its ridged head design further enhances cleaning efficiency. The small tapered handle and rigid tip provide maximum control.



Key Attributes

- Cleanroom laundered polyurethane foam over rigid tip
- 100 ppi open cell foam
- Static dissipative polypropylene handle with thermally bonded head
- Laundered and packaged in ISO Class 4 {Class 10} cleanroom

Benefits

- Low particles, fibers, ions and extractables
- Good chemical resistance
- Soft and non-abrasive with no contaminating adhesives
- Free from Silicone, amides and DOP
- Ridged surface for improved cleaning ability
- Packaged in an anti-static bag.

Environmental

- Complies with RoHS and REACH requirements

Applications

- Designed for the highest level of contamination control in critical processing applications
- Applying lubricants, adhesives or other liquids
- Removing excess materials
- Static-sensitive applications

Physical Characteristics

Head Material	Open Cell Foam	Handle Thickness	2.5mm {0.098"}
Head Width	4mm {0.157"}	Handle Length	50mm {1.97"}
Head Thickness	4mm {0.157"}	Total Swab length	70mm {2.75"}
Head Length	20mm {0.787"}	Head Bond	Thermal
Handle Material	Polypropylene	Handle Text	Berkshire
Handle Width	2.5mm {0.098"}		

Other Foam sock tip swabs

- LTO1465ESD Long handle
- LTO70RESD Small handle rigid head swab

Technical Data:

ATTRIBUTE		LTO70PESD	TEST METHODS
Surface Resistance of Handle	ohms	1.0 x 10 ⁹	ANSI/ESD STM 11.13
Volume Resistance of Handle	ohms	1.0 x 10 ⁸	ANSI/ESD STM 11.13
Non-Volatile Residue	IPA mg/swab	0.054	IEST-RP.CC004.3, Sec 7.1.2
Ions (µg/swab)	Chloride	0.014	IEST-RP.CC004.3, Sec 7.2.2
	Sulfate	0.026	
	Nitrate	ND*	
	Phosphate	ND*	
	Fluoride	ND*	
	Potassium	0.0053	
	Calcium	0.029	
	Sodium	0.0039	
	Magnesium	0.0021	

Notes:

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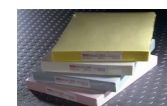
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