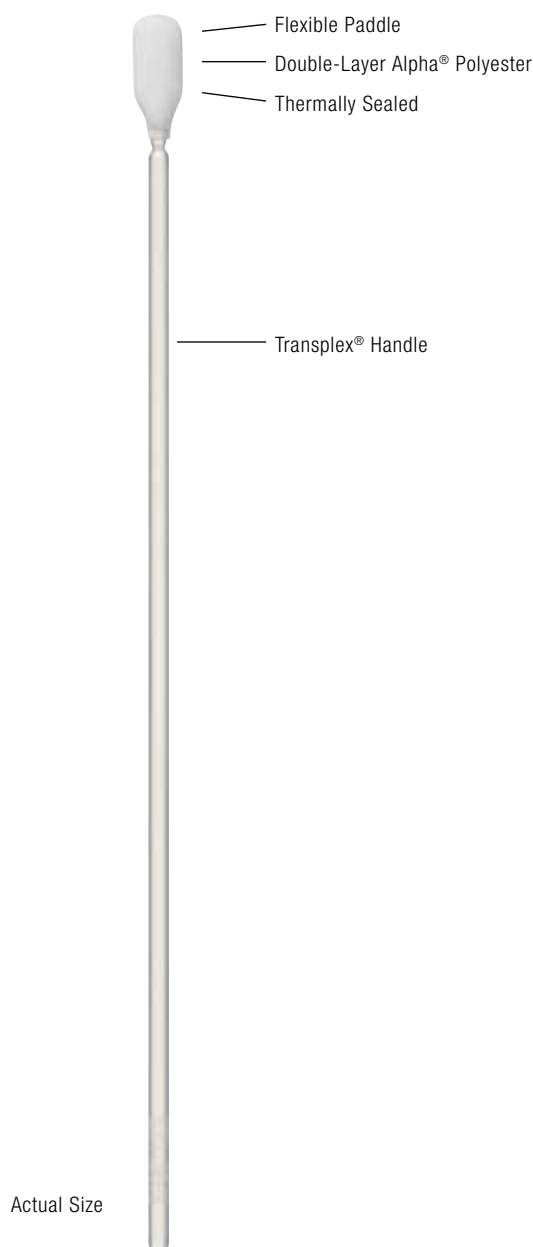


Alpha[®] ESD Swab with Long Handle

Transplex[®] Series



Actual Size

Description

The Alpha[®] ESD Swab with Long Handle is an excellent dissipative swab for cleaning surfaces and hard-to-reach areas. Its laundered, knitted Alpha[®] polyester head is extremely clean. A long handle and flexible internal head paddle provide good support. This swab can replace long-handled cotton swabs in applications requiring superior cleanliness. The handle is made from a Stat-Rite[®] polymer alloy using a patented Inherently Dissipative Polymer (IDP) to provide clean, permanent ESD protection without contributing particulate contaminants to the cleanroom.

Features

- Cleanroom-laundered, double-layer knitted Alpha[®] polyester tip over flexible paddle
- Long, ESD-safe Transplex[®] handle
- Thermally bonded head
- Soft and nonabrasive

Benefits

- Ultralow nonvolatile residue
- Low particle and fiber generation
- Good sorbency
- No contaminating adhesives
- ESD control without contaminating carbon or metal loading
- No blooming ionic antistats
- No contaminating coatings
- Humidity-independent ESD control for consistent performance
- Safely dissipates charges in under two seconds when used with a solvent such as IPA

Applications

- Magneto-resistive (MR) head manufacturing and assembly
- Cleaning with solvents such as IPA
- Applying lubricants and other liquids
- Removing excess materials

Products

TX Number	Description	Packaging
TX761D	Alpha [®] ESD Swab with Long Handle	Bag-Within-A-Bag [®] 100 swabs/bag 2 inner bags of 50 swabs 10 bags/case



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Alpha[®] ESD Swab with Long Handle

Physical Characteristics

Head material	Knitted Alpha [®] polyester
Head width	6.8 mm (0.268")
Head thickness	4.0 mm (0.157")
Head length	17.0 mm (0.669")
Handle material	Transplex [®]
Handle width	3.0 mm (0.118")
Handle thickness	3.0 mm (0.118")
Handle length	147.0 mm (5.787")
Total swab length	164.0 mm (6.457")
Head bond	Thermal
Handle color	Translucent
Design notes	Flexible head paddle; long handle

Contamination Characteristics

Property	Measurement	Test Method*
Nonvolatile residue	0.19 mg/swab	TM2: Laboratory Testing For Swabs
IPA extractant		
Ions		
Chloride	< 0.01 µg/swab	
Sulfate	0.10 µg/swab	
Nitrate	0.03 µg/swab	
Phosphate	0.11 µg/swab	
Fluoride	< 0.01 µg/swab	
Potassium	0.06 µg/swab	
Calcium	0.01 µg/swab	
Sodium	0.31 µg/swab	
Magnesium	< 0.01 µg/swab	

Property	Measurement	Test Method*
Handle resistivity	8 x 10 ⁹ ohms/cm	TM16: Determination of the Resistance per Unit Length (ohm/cm) of Swab Handles. (Adapted from EOS/ESD-S11.11-1993.)

*Test procedures available upon request.