

ESD Brush Set

BRUSHSET

Description

Bondline's ESD Brush Set includes a pack of 4 conductive brushes in a range of sizes, suitable for many applications. The brushes included in the brush set allow for the safe cleaning of ESD sensitive electronic components and assemblies without generating any harmful static charge. The bristles are made from conductive nylon (PA) and the handles are made from conductive polypropylene (PP). These brushes do not produce dust particles which makes them suitable for use for those with dust allergies. Each brush consists of 40% polypropylene, 45% polyamide and 15% carbon fibre. Brushes included within the ESD Brush Set can also be purchased separately.



Key Features

- Strong, black, conductive polypropylene handle.
- Soft, black, conductive nylon bristles.
- KB925 brush has an easy-to-grip handle.
- Suitable for cleaning PCBs and other static sensitive components.
- Construction: 40% Polypropylene, 45% Polyamide, 15% Carbon Fibre.
- 1x Pack includes: 4x ESD-safe brushes of different sizes and shapes.
- Minimises static charge generation and dissipates static charges to ground when brush is held by grounded personnel.
- Compliant according to IEC-61340-5-1 International Standard.
- RoHS and REACH compliant.

Standards & Regulations



RoHS compliant



REACH compliant



CE certified



IEC-61340-5-1 compliant

ESD Brush Set Includes:

| Part Code | Description | Brush Length | Brush Width | Bristle Size | Bristle Length |
|-----------|-----------------------------|--------------|-------------|--------------|----------------|
| KB5120 | Small ESD Brush With 1 Hole | - | - | - | - |
| KB5113 | 170mm ESD Brush | 170mm | - | 60 x 40mm | 40mm |
| KB925 | 175mm ESD Brush | 175mm | 14mm | 57 x 10mm | 20mm |
| KB927 | 255mm ESD Brush | 255mm | 11mm | 130 x 5mm | 30mm |



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| Technical Specification | Typical Values |
|-------------------------|--|
| Materials | 40% Polypropylene; 45% Polyamide; 15% Carbon Fibre |
| Handle Material | Conductive Polypropylene (PP) |
| Bristle Material | Conductive Nylon (PA) |
| Surface Resistance | $10^{(3)} \Omega \times 10^{(5)} \Omega$ |
| Temperature Range | From 5 to 105°C, with intermittent use recommended at the extremity of the range |

| Physical Property | Test Methods | PP Material |
|---------------------------------|-----------------------------------|--|
| Surface Resistance | Ohms | $10^{(3)} \Omega \times 10^{(5)} \Omega$ |
| Tensile Strength | ASTM D638 | 3,000 psi |
| Elongation | ASTM D638 | 20 psi % |
| Static Decay Rate +5000v to 50v | FTM-1018, Method 4046 MIL-881705C | <2 seconds |