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ESD Brush Set

TECHNICAL DATASHEET

BRUSHSET

Description

Bondline's ESD Brush Set includes a pack of 5 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 assemblies without generating any harmful static charge. Each of the brushes' hair fibres are manufactured from a conductive PA material. The brushes' handles are made from a conductive PP material. 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.

Features

- Each brush has a strong, black, conductive polypropylene handle.
- Each brush has soft, black, conductive hair fibres.
- Constructed of 40% polypropylene, 45% polyamide and 15% carbon fibre.
- 1 pack includes 5 ESD-safe brushes of different sizes.
- KB925 brush has an easy-to-grip handle which allows for ease when cleaning.
- RoHS and REACH compliant.
- Compliant according to IEC-61340-1-5 International Standard.

ESD Brush Set Includes

- **KB920 –** 135mm ESD Brush – Brush Length: 135mm Width: 8mm dia - Bristle Size: 5mm dia Length: 10mm
- **KB921 –** 145mm ESD Brush – Brush Length: 145mm Width: 10mm - Bristle Size: 12 x 5mm Length: 15mm
- **KB923 –** 155mm ESD Brush – Brush Length: 135mm Width: 8mm dia - Bristle Size: 5mm dia Length: 10mm
- **KB925 –** 175mm ESD Brush – Brush Length: 175mm Width: 14mm - Bristle Size: 57 x 10mm Length: 20mm
- **KB927 –** 255mm ESD Brush – Brush Length: 255mm Width: 11mm - Bristle Size: 130 x 5mm Length: 30mm

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Technical Properties

Specifications	Typical Values
Materials	Polypropylene 40% Polyamide 45% Carbon Fibre 15%
Handle Material	Conductive Polypropylene
Bristle Material	Nylon
Surface Resistance	10^(3) Ω x 10^(5) Ω
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) Ω x 10^(5) Ω
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