



Characteristics:

- Brushes minimise static charge generation and remove electrostatic charges to ground when held by grounded personnel
- Dissipative polypropylene black handles are able to remove charges to ground
- Volume Resistance of conductive fibres: 1×10^3 to $< 1 \times 10^5$ ohms per ANSI/ESD STM11.12
- Volume Resistance of dissipative handle: 1×10^4 to $< 1 \times 10^{11}$ ohms per ANSI/ESD STM11.12
- Two kinds of bristles: soft and hard
- Soft bristles are ideal for chemical and electronics applications
- Hard bristles are mainly for electronics, especially circuit boards



Soft bristles are made of conductive yarn and horse hair.

Hard bristles are made of conductive yarn, pig hair and horse hair.

Generally speaking, once the conductive yarn is added to the bristles, it neutralises the possibility of static build-up caused by the natural hair.

Synthetic bristles can easily become charged with static in standard humidity conditions. Natural hair usually builds static in areas of low humidity, but due to the conductive fibres in our brushes, this problem does not take effect.

Item	Style	Bristle Hardness	Bristle Dimensions
238100	Round	Hard	6mm diameter, 17mm (L)
238105	Round	Soft	6mm diameter, 19mm (L)
238110	Flat	Hard	16mm (L) x 12mm (W) x 6mm (D)
238115	Flat	Hard	18mm (L) x 20mm (W) x 6mm (D)
238125	Flat	Hard	20mm (L) x 50mm (W) x 6mm (D)
238150	Block	Soft	31mm (L) x 100mm (W) x 3mm (D)
238155	Angled	Soft	31mm (L) x 130mm (W) x 3mm (D)
238145	Block	Hard	22mm (L) x 75mm (W) x 35mm (D)
238130	Angled	Hard	18mm (L) x 35mm (W) x 9mm (D)
238135	Angled	Hard	18mm (L) x 60mm (W) x 9mm (D)

"Avoid a discharge from any charged, conductive object (personnel and especially automated handling equipment) into the ESDS. This can be accomplished by bonding or electrically connecting all conductors in the environment, including personnel, to a known ground or contrived ground (as on board ship or on aircraft). This attachment creates an equipotential balance between all conducting objects and personnel. Electrostatic protection can be maintained at a potential different from a "zero" voltage ground potential as long as all conductive objects in the system are at the same potential." [IEC 61340-5-1 Introduction]

Made in Israel & the United States of America

Unless otherwise noted, tolerance $\pm 10\%$
Specifications and procedures subject to change without notice.

Conductive Plastic Brushes

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238100

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