



35690 35691 35692 35693 35694 35696



35695 36086 36087 36088 36098

### Characteristics:

- Brushes minimize static charge generation and remove electrostatic charges to ground when held by grounded personnel
- Dissipative polypropylene black handles remove charges when grounded
- Available in 3 kinds of bristles - semi firm, firm, and soft
- Semi-firm and soft bristles are ideal for chemical and electronics applications
- Firm bristles are mainly for electronics, especially circuit boards
- Conductive handle's ESD properties are not effected by humidity as are wooden handle brushes
- Conductive copper based nylon bristles mixed with natural materials
- RTT Resistance:  $1 \times 10^3$  to  $<1 \times 10^5$  ohms tested per modified ANSI/ESD S4.1

### Materials:

- Firm bristles - conductive yarn and hog hair\*
- Semi-firm bristles - conductive yarn and horse hair\*
- Soft bristles - conductive yarn and goat hair\*

\*Can contain additional natural fibers and animal hair has potential to shed

| Item                  | Handle Type | Bristle Hardness | Overall Length   | Overall Width   | Bristle Length | Bristle Width  | Bristle Height |
|-----------------------|-------------|------------------|------------------|-----------------|----------------|----------------|----------------|
| <a href="#">35690</a> | Round       | Firm             | 6" (152 mm)      | 5/16" (8 mm)    | 7/16" (11 mm)  | 3/16" (5 mm)   | 3/16" (5 mm)   |
| <a href="#">35691</a> | Long        | Firm             | 6" (152 mm)      | 1/2" (13 mm)    | 11/16" (17 mm) | 1-1/4" (32 mm) | 1/4" (6 mm)    |
| <a href="#">35692</a> | Long        | Firm             | 7" (178 mm)      | 1/2" (13 mm)    | 10/16" (16 mm) | 2-3/8" (60 mm) | 5/16" (8 mm)   |
| <a href="#">35693</a> | Flat        | Firm             | 6-1/4" (159 mm)  | 2-1/8" (54 mm)  | 3/4" (19 mm)   | 2" (51 mm)     | 3/16" (5 mm)   |
| <a href="#">35694</a> | Flat        | Semi-Firm        | 5-1/4" (133 mm)  | 5/16" (8 mm)    | 13/16" (21 mm) | 1/2" (13 mm)   | 3/16" (5 mm)   |
| <a href="#">35695</a> | Curved      | Firm             | 4" (102 mm)      | 2-1/2" (64 mm)  | 1" (25 mm)     | 3" (76 mm)     | 1" (25 mm)     |
| <a href="#">35696</a> | Flat        | Firm             | 5-1/8" (130 mm)  | 5/16" (8 mm)    | 10/16" (16 mm) | 1/2" (13 mm)   | 3/16" (5 mm)   |
| <a href="#">36086</a> | Flat        | Firm             | 5-3/4" (146 mm)  | 7/8" (22 mm)    | 3/4" (19 mm)   | 3/4" (19 mm)   | 3/16" (5 mm)   |
| <a href="#">36087</a> | Flat        | Firm             | 5-3/4" (146 mm)  | 1-1/16" (27 mm) | 3/4" (19 mm)   | 7/8" (22 mm)   | 3/16" (5 mm)   |
| <a href="#">36088</a> | Flat        | Firm             | 6-1/4" (159 mm)  | 1-5/8" (41 mm)  | 3/4" (19 mm)   | 1-1/2" (38 mm) | 3/16" (5 mm)   |
| <a href="#">36098</a> | Round       | Soft             | 6-5/16" (160 mm) | 3/16" (5 mm)    | 1" (25 mm)     | 1/4" (6 mm)    | 1/4" (6 mm)    |

Designed to fulfill ANSI/ESD S20.20 requirement to ground all conductors at ESD workstation.

ESD Handbook TR20.20 Table 1 lists under Typical Static Electricity Sources "Brushes (camel/pig hair and synthetic bristles)."

"It should be understood that any object, item, material or person could be a source of static electricity in the work environment. Removal of unnecessary nonconductors, replacing nonconductive materials with dissipative or conductive materials and grounding all conductors are the principle methods of controlling static electricity in the workplace, regardless of the activity." (TR 20.20 section 2.4)

Unless otherwise noted, tolerance is  $\pm 10\%$ .

Specifications and procedures subject to change without notice.

Made in Israel

Dimensions are taken from the bottom of the brush to the top of the bristles.

### Synthetic vs. Natural Bristles

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 fibers in our brushes, this problem does not take effect.

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

## CONDUCTIVE BRUSHES

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PHONE: (909) 627-2453  
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**DRAWING  
NUMBER**  
35690

**DATE:**  
June  
2020

# MENDA



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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