



**Cushion Grade, Black**

**RoHS 3, REACH, and Conflict Minerals Statement**

See the Desco Industries RoHS 3, REACH, and Conflict Minerals Statement:

<http://www.descoindustries.com/ROHS.aspx>

See the Desco Limited Warranty:

<http://desco.descoindustries.com/Limited-Warranty.aspx>

See the Desco Disclaimer:

<http://desco.descoindustries.com/Disclaimer.aspx>

Consistent with ANSI/ESD S541 section A.3 "Dissipative Material for Intimate Contact, To avoid rapid discharge to sensitive items, dissipative materials should be used as the layer of packaging that contacts the item."

ESD Handbook ESD TR20.20 section 5.3.1.7 Electrical Considerations "[RTG is] The most important functional consideration for worksurfaces. This establishes the resistance of the primary path to ground for items, placed on the surface. When worksurface materials are being selected, consideration should be given to possible Charged Device Model (CDM) damage to ESD sensitive products. If CDM damage is a concern then setting a lower resistance limit for the worksurface should be considered. Typically, the lower limit for these types of worksurfaces is  $1 \times 10^6$  ohms.

**Description:**

Desco's Statfree® Cushion Grade Static Dissipative Foam is a non-abrasive, closed-cell cross-linked Polyethylene Foam Compounded for Permanent ESD Control Properties. The ESD protective properties will not degrade; the foam is designed not to flake, slough, or contaminate products. The foam will electrically couple to a grounded ESD worksurface when placed on the worksurface. There is no need for a separate ground cord for the foam when used in this fashion. The 1.9 lb/ft density provides cushioning protecting products from shock physical damage

**Specifications:**

**Standard Document**

ANSI/ESD S541 (ANSI/ESD S20.20) ESD Protective Packaging

**Meets Requirements of:**

Property	Results	Test Method
Density	1.9 lb/ft <sup>3</sup>	ASTM D3575-91
Surface Resistance	$1 \times 10^5$ to $< 1 \times 10^9$ ohms	ANSI/ESD S4.1
Corrosivity	Pass	TS 1021BA (UK MOD)
Water Extract	Pass	TS 1021BA (UK MOD)
Total Chlorine	Pass	TS 1021BA (UK MOD)
Recommended Operating Temperature Range	+200°F to -95°F	Internal
Tear Strength	14 lbf/in	ASTM D3575-91
Tensile Strength	44 psi	ASTM D2575-91

Item	Thickness	Size (in.)
<a href="#">12665</a>	1/8	40 x 75
<a href="#">12666</a>	1/4	40 x 75
<a href="#">12667</a>	3/8	40 x 75
<a href="#">12668</a>	1/2	40 x 75

Dimensions are nominal; thickness is  $\pm 1/16$ ".

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

Specifications and procedures subject to change without notice.



Made in the United States of America

**Statfree® Black Cushion Grade Static Dissipative Foam**

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12665

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