

**RoHS
Compliant**



Features

- Black conductive bags made from blow molded LDPE with carbon
- The black bag is light tight and effectively avoids accumulation of electric charge on the bag and its contents
- Protects contents from damage of electromagnetic wave and static
- This product can be heat sealed and offers medium level static protection
- Surface resistance is 10^4 - $10^6\Omega$

Construction

Black conductive bags are constructed from a conductive material made out of a 4 mil single layer of carbon loaded polyethylene, creating a Faraday Cage effect. Conforms to military specification MIL-PRF-81705D Type II.

Configuration(s)

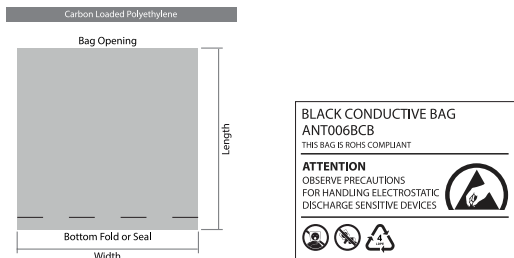
Bags are available in custom sizes or in several industry standard sizes. Bags are offered with a single seal or bottom fold, extruded from a PE tube.

Additional Notes:

Recommend that all of our black conductive bags be used within 2 years from the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 21°C - 23°C and relative humidity is 45 - 50%.

Standard Bag Artwork

Black conductive bags are produced with the following sample artwork as standard.



Test Conditions

The following results were taken under the following environmental test conditions: Temperature: 22.1°C / Humidity: 47.8%

Item:	Test Standard:	Result:
Melt Index	GB3682	2.1 g/10min
Inner / Outer Surface Resistivity	GJB2605-1996	$10^4 - 10^6\Omega$
Static Voltage Attenuation Period	IEC61340-5-1	≤ 2 Secs.
Water Absorption Rate	GB/96-04-01	0.5%
Density	GB1033	0.92g/cm
Tensile Strength	GB/96-04-01	MD: 33 MPa TD: 34.85 MPa
Breaking Elongation Rate	GB/96-04-01	MD: 1180% TD: 689%

Black Conductive Bag

multicomp PRO

Item:	Test Standard:	Result:
Friction Coefficient	GB/96-04-01	Outer Surface: 0.08 Us Inner Surface: 0.08 Ud
Heat Seal Temperature	GB/96-04-01	250-375 F
Size	GB/96-04-01	Thickness: $\pm 10\%$, Length: $\pm 3\text{mm}$, Width: $\pm 2\text{mm}$
Appearance	GB/96-04-01	Black Sheet (No powder or oil)

Test Conclusion

The black conductive PE bag is tested accordant with the relevant test standard and requirements.

Test Item:	Test Method:	Measured Equipment(s):	MDL:
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg

Part Number Table

Description	Part Number
Black Conductive Bag, 203mm×305mm, PK100	006-0021

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO