Black Conductive Bag

multicomp PRO

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

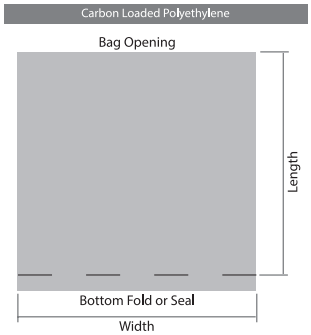
Black conductive bags are constructed from a conductive material made out of a 4 mil single layer of carbon loaded polyethylene. Creating a Faraday Cage effect.

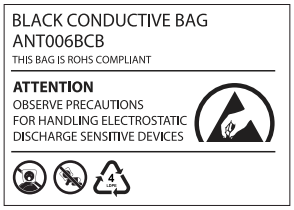
Configuration(s)

Bags are available in custom sizes or in several industry standard sizes. Bags are oered with a single seal or bottom fold, extruded from a PE tube. The bags are provided with our standard artwork or your company's exographically printed logo (minimum order qty's apply).

Standard Bag Artwork

Our black conductive bags are produced with the following sample artwork as standard. For further information on bespoke/ printed orders, please contact one of our sales team. Please note there is a MOQ of 20,000 bags on all printed bags.





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%

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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: ±10%, Length: ±3mm, Width: ±2mm
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, 304.8mm×406.4mm, PK100	006-0037