

**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

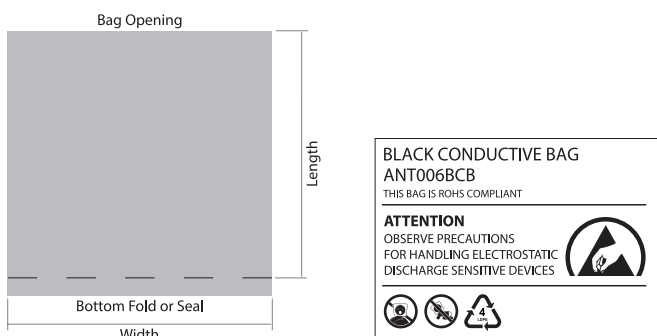
Black conductive bags are constructed from a conductive material made out of a 4 mil single layer of carbon loaded polyethylene. Creating a Faraday Cage effect.

## 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	$\leq 2$ 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%

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, 102mm×102mm, PK100	006-0002F

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