

**PRODUCT**

# Black conductive tubing

Black conductive material designed to be placed under the floor tiles in and EPA.



**FEATURES**

- Made from conductive black carbon and modified polyethylene resin
- Absorbs minimal water
- Electrical and mechanical properties are permanent

PRODUCT CODE	DESCRIPTION	SIZE	WEIGHT (g)
008-0001	Conductive black tubing	3inch x 500m	300
008-0002	Conductive black tubing (part of ESD grounding kit)	4inch x 500m	300
008-0004	Conductive black tubing	6inch x 200m	400

To request a quotation or for more information, please call **+44 (0)1473 836200**  
email [info@antistat.co.uk](mailto:info@antistat.co.uk) or visit [www.antistat.co.uk](http://www.antistat.co.uk)

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**PHYSICAL PROPERTIES**

PROPERTY		TEST METHOD	UNIT	VALUE
Density (at 23°C)		CTM E023	kg/m <sup>3</sup>	1060
Melt flow index (190°C/5kg)		CTM E005 (ISO 1133)	g/10 min	0.8
Melt flow index (190°C/10kg)		CTM E005 (ISO 1133)	g/10 min	3.5
Surface Resistivity on 100 µm film		CTM E042B	Ohm/sq	3 - 10 <sup>3</sup>
Tensile strength at yield* on 100 µm film	LD	CTM E041 (ISO 527)	MPa	11.5
	TD		MPa	11.0
Tensile strength at break* on 100 µm film	LD	CTM E041 (ISO 527)	MPa	20.5
	TD		MPa	19.8
Elongation at yeild on 100 µm film	LD	CTM E041 (ISO 527)	%	33
	TD		%	22
Elongation at break* on 100 µm film	LD	CTM E041 (ISO 527)	%	580
	TD		%	425
Trousar tear resistance** on 50 µm film	LD	CTM E052 (ASTM D1938)	cN/µm	4.6
	TD		cN/µm	3.1
Elmendorf tear resistance on 100 µm film	LD	CTM E052 (ASTM D1922)	cN/µm	21
	TD		cN/µm	20

\* 500 mm/min NB. NO yield was observed. The values quoted are calculated for a theoretical yield at 15% offset.

\*\* 250 mm/min

LD = Longitudinal Direction

TD = Transversal Direction

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