

## CONDUCTIVE POLYETHYLENE PIPE (PE-C) - 0.80

HOSES › PIPES suitable for ATEX environments

### Black Polyethylene Pipe Electro Conductive

#### CONSTRUCTION:

- Electrically conductive polyethylene (PE)
- Wall thickness approx. 0.8 mm
- 10 meter rolls
- Black color
- Temperature range: -35°C to 80°C

Permanent electrically conductive component material, suitable for use in ATEX zones



#### APPLICATIONS:

flexible hose for gas and dust, powders, fibres.

Chemical industry: chemical fumes, vapour recovery pipe at loading arm, paint fumes, paint mist extraction in potentially explosive area.

Use in mining in tunnel construction: ventilation, methane gas extraction.

#### PROPERTY:

- good resistance to alkalis and acids
- excellent chemical resistance
- Electrically conductive wall: volume resistance and surface resistance  $<10^3$  (acc.toNFPA 652  $<10^6$  Ω)

according to ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic conveying of flammable dusts and bulk materials (Zone 20, 21, 22 indoors), suction of combustible dusts (Zone 22 indoors) according to ATEX 2014/34/EU (1999/92/EC) and German TRGS 727 for the conveying of flammable liquids (within zone 0,1,2) for the conveying of non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)

- Compliant with RoHS regulations
- REACH based on -> Technical information / technical / REACH

**PRODUCTION** according to ISO 8031, TRB S 2153.

Diameter mm	Maximum operating pressure bar	Maximum allowable depression bar	Weight g/m	Radius of curvature mm
32	0.78	0.53	220	23
38	0.66	0.45	260	26



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40	0.63	0.42	270	27
50	0.50	0.34	330	32
60	0.42	0.29	400	37
70	0.36	0.21	460	44
80	0.32	0.18	520	49
90	0.28	0.16	590	54
102	0.25	0.14	760	59
127	0.20	0.12	940	72
140	0.18	0.10	1060	79
152	0.17	0.10	1130	84
160	0.16	0.09	1210	89
203	0.13	0.07	1510	110
250	0.10	0.06	1880	135
300	0.08	0.05	2260	160