

CONDUCTIVE POLYETHYLENE PIPE (PE-C) - 0.80

HOSES › PIPES suitable for ATEX environment

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.



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PROPERTY:

- good resistance to alkalis and acids
- excellent chemical resistance
- Electrically conductive wall: volume resistance and surface resistance <10⁹ (acc.toNFPA 652 <10⁶ 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 |