

ATEX/ESD

MP 20

Conductive EPDM multi-purpose hose, 20 bar PN, -40 to +120 C



MP 20 is a highly flexible EPDM multi-purpose hose with conductive wall below 10^6 ohm in both inner tube and outer coating. PN 20 bar working pressure and 80 bar burst pressure (4x safety factor) make the hose suitable for high-pressure water, compressed air and chemical distribution. The operating range -40 to +120 C is broader than most competitor multi-purpose hoses. Three blue longitudinal stripes on the outer wall are a visual identification marker. Typically used in chemical industry, agriculture, municipal services and mechanical engineering where a high-pressure and broad-media-resistant hose is required.

R: $<10^6 \Omega$

Media: Liquid, Gas

Temp: -40 °C to 120 °C

✓ Cut to length

APPLICATIONS

- High-pressure compressed air and water distribution (up to 20 bar)
- Conductive chemical handling where static discharge is required
- Process water and cooling water distribution in industry
- Compressed air for pneumatic tools and compressor systems
- Multi-media installations where a single hose must handle multiple media
- Water pump connection in agriculture and horticulture

Technical specifications

Material	EPDM (ethylene-propylene-diene monomer) both inner and outer, conductive
Colour	black with 3 blue longitudinal stripes
Wall construction	Smooth inner EPDM tube, smooth outer EPDM coating with 3 blue longitudinal stripes, textile plies
Spiral material	Tekstil-plyes
Conveying media	Liquid, Gas
Temperature range	-40 °C – 120 °C
Short-term peak	120 °C
Electrical resistance	$<10^6 \Omega$
Cut to length	Yes
Manufacturer SKU	3129

Standards and compliance

EN ISO 1307:2008, ISO 8031 (electrical resistance), REACH, RoHS

Dimensions and ordering

The hose is supplied in 4 standard sizes from inner Ø 10.0 mm to 25.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Burst [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
10	17	3.5	20	80	60	40	0.21	40	3129010000
13	21	4	20	80	80	40	0.3	40	3129013000
19	28	4.5	20	80	115	40	0.47	40	3129019000
25	35	5	20	80	150	40	0.67	40	3129025000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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