


MANIFATTURA TUBI GOMMA S.p.A.

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APPLICATION

- Suction and delivery hose for conveying chemicals with high concentration.

CONSTRUCTION

TUBE

- EPM rubber (code 660N), antistatic ($R < 10^6 \Omega$), black colour, smooth, free from nitrosamines.

REINFORCEMENT

- High strength plies of synthetic cord.
- Embedded steel helix wire.
- Built-in copper wires on request.

COVER

- EPDM rubber (code 104N), black, antistatic ($R < 10^6 \Omega$), resistant to abrasion, ozone and weather, smooth, cloth finish.

STANDARDS

- Execution in accordance with EN 12115:2011.

SAFETY FACTOR

- ≥ 4 times working pressure up to ID 75 mm.
- ≥ 3 times working pressure over ID 75 mm.

MAIN BENEFITS

- EPM (ethylene-propylene) is a synthetic rubber similar to EPDM, but with a better performance.
- EPM provides higher resistance to oxidizing acids.
- EPM provides a better chemical resistance to high temperatures: when conveying acetone, alcohol, ester and acids, it is more resistant to the fluids thanks to its impermeable inner tube and compact structure.
- EPM offers better compression set values, thus making the assembly

TEMPERATURE RANGE

- In accordance with EN 12115:2011.
- Resistant to steam up to +130°C for max. 30 minutes.

ELECTRICAL PROPERTIES

- Identification symbol:
 - Ω/T for version without copper wires;
 - M/T for version with copper wires.

MARKING

- Embossed tape according to EN 12115:2011, lengthwise.

MTG MANICHEM EPM MADE IN ITALY

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: Inner diameter: EN 12115 - Outer diameter: EN 12115 - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure BAR	Burst pressure BAR	Vacuum BAR	Min. bending radius mm	Approx. weight kg/m	Max. length m
19	31	6.0	16	64	-0.90	125	0.70	40
25	37	6.0	16	64	-0.90	150	0.80	40
32	44	6.0	16	64	-0.90	175	1.00	40
38	51	6.5	16	64	-0.90	225	1.26	40
50	66	8.0	16	64	-0.90	275	2.10	40
51	67	8.0	16	64	-0.90	275	2.15	40
63.5	79.5	8.0	16	64	-0.90	300	2.60	40
75	91	8.0	16	64	-0.80	350	3.05	40
76	92	8.0	16	48	-0.80	350	3.10	40
100	118	9.0	16	48	-0.80	450	4.95	40
102	120	9.0	16	48	-0.80	450	5.00	40

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data are based on application at room temperature (+20°C). Other sizes are available on request.