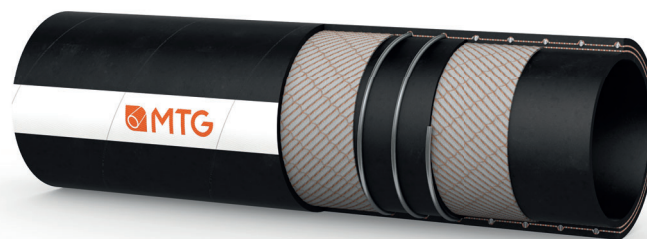


MANIFATTURA TUBI GOMMA S.p.A.

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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 12115:2021.

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 with fittings safer for chemical applications.

TEMPERATURE RANGE

- In accordance with EN 12115:2021.
- 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 12115:2021, lengthwise.

 **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 |

MTG reserves the rights to implement changes in product specifications without notice and as may be deemed appropriate by the Company for any technical or commercial reason.
Above technical data are referring to application at room temperature (+20°C). Other sizes and colours are available upon request.
Please contact our Sales Department.

Cod. IT-M00104

UPDATED: 12/24
Rev: 002