


MANIFATTURA TUBI GOMMA S.p.A.

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APPLICATION

- Multipurpose suction and delivery hose for conveying a wide range of chemicals and foodstuff.

CONSTRUCTION

TUBE

- UPE (Ultra High Molecular Weight Polyethylene), light colour, smooth, with black antistatic ($R \leq 10^6 \Omega$) helical UPE stripe.
- Compliance: BfR, FDA Standards, D.M. 21.03.73 and following amendments, Regulation EU n. 10/2011.

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, corrugated, cloth finish.

STANDARDS

- Execution in accordance with EN 12115:2011.

SAFETY FACTOR

- ≥ 4 times working pressure.

MAIN BENEFITS

- Flexible and lightweight structure designed for applications where reduced bending radii and ease of handling are requested.

TEMPERATURE RANGE

- From -35°C to $+100^\circ\text{C}$.
- Resistant to steam up to $+130^\circ\text{C}$ for max. 30 minutes.

ELECTRICAL PROPERTIES

- Electrical resistance through the hose wall: $R < 10^9 \Omega$.
- 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.



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 | 10 | 40 | -0.90 | 125 | 0.65 | 40 |
| 25 | 37 | 6.0 | 10 | 40 | -0.90 | 150 | 0.80 | 40 |
| 32 | 44 | 6.0 | 10 | 40 | -0.90 | 175 | 1.10 | 40 |
| 38 | 51 | 6.5 | 10 | 40 | -0.90 | 225 | 1.20 | 40 |
| 50 | 66 | 8.0 | 10 | 40 | -0.90 | 275 | 1.90 | 40 |
| 63.5 | 79.5 | 8.0 | 10 | 40 | -0.90 | 300 | 2.30 | 40 |
| 75 | 91 | 8.0 | 10 | 40 | -0.80 | 350 | 2.80 | 40 |
| 100 | 118 | 9.0 | 10 | 40 | -0.80 | 450 | 4.50 | 40 |

 Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data are based on application at room temperature ($+20^\circ\text{C}$). Other sizes are available on request.