# POLYSPIR/UPE-BN

EN ISO 9001:2015
No. : Q-3353-24
EN ISO 45001:2018
No. : 20152240011742
EN ISO 14001:2015
No. : 20051240011741

**MANIFATTURA TUBI GOMMA S.p.A.**
Grisignano di Zocco, 36040 (VI) ITALY
T. +39 0444.614755 | info@mtgspa.com
**www.mtgspa.com**

## APPLICATION

- Multipurpose hose for suction and delivery of a wide range of chemical, alcoholic and food products.
- Normally installed on tank trucks, unloading platforms, chemical laboratories, stationary and mobile systems in food and chemical industries.

## CONSTRUCTION

### TUBE

- UPE (Ultra High Molecular Weight Polyethylene), light colour, mirror-smooth.
- Compliance: 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.

### COVER

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

## MAIN BENEFITS

- The inner tube of the hose POLYSPIR/UPE-BN is suitable for conveying alcohol with a concentration up to 98%.
- It complies with the Reg. EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG production cycle is free from animal derived ingredients, phthalates, adipates and materials subject to restrictions according to Reg. EC 1907/2006 (REACH).

## TEMPERATURE RANGE

- From -35°C to +100°C.
- Resistant to steam up to +130°C for max. 30 minutes.

## SAFETY FACTOR

- ≥ 4 times working pressure.

## MARKING

MTG POLYSPIR UPE EU 10/2011 FDA MADE IN ITALY

## TECHNICAL SPECIFICATIONS

**SIZE TOLERANCES:** Inner diameter: ISO 1307 - Wall Thickness: DIN 7715 T4 S2 - 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 |
|---|---|---|---|---|---|---|---|---|
| 13 | 24 | 5.5 | 10 | 40 | -0.90 | 80 | 0.45 | 40 |
| 19 | 31 | 6.0 | 10 | 40 | -0.90 | 115 | 0.65 | 40 |
| 25 | 37 | 6.0 | 10 | 40 | -0.90 | 150 | 0.82 | 40 |
| 32 | 44 | 6.0 | 10 | 40 | -0.90 | 190 | 0.98 | 40 |
| 35 | 47 | 6.0 | 10 | 40 | -0.90 | 210 | 1.05 | 40 |
| 38 | 51 | 6.5 | 10 | 40 | -0.90 | 230 | 1.25 | 40 |
| 40 | 53 | 6.5 | 10 | 40 | -0.90 | 240 | 1.30 | 40 |
| 50 | 64 | 7.0 | 10 | 40 | -0.90 | 300 | 1.84 | 40 |
| 50 | 66 | 8.0 | 10 | 40 | -0.90 | 300 | 2.00 | 40 |
| 63.5 | 79.5 | 8.0 | 10 | 40 | -0.90 | 390 | 2.55 | 40 |
| 70 | 86 | 8.0 | 10 | 40 | -0.90 | 420 | 2.70 | 40 |
| 75 | 91 | 8.0 | 10 | 40 | -0.90 | 480 | 3.00 | 40 |
| 80 | 96 | 8.0 | 10 | 40 | -0.90 | 480 | 3.15 | 40 |
| 100 | 118 | 9.0 | 10 | 40 | -0.90 | 600 | 4.90 | 40 |
| 102 | 120 | 9.0 | 10 | 40 | -0.90 | 600 | 4.92 | 40 |

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C).
Other sizes and colours are available upon request. Please contact our Sales Department.

FDA FOOD QUALITY | DM 21/03/73 | EU 10/2011

**Cod. IT-P00075**

**UPDATED:** 04/18
**Rev:** 001