



PHARMA TPU

Ultra Smooth Bore Powders Transfer Hose



APPLICATION

- Suction and delivery hose, specifically designed for conveying air mixed with powders.
- Normally used in the pharmaceutical and food industry.
- Tube designed and developed to ensure dissipation of electrostatic charges, with resistance $R < 10^9 \Omega$.

CONSTRUCTION

TUBE

- Technopolymer (code 3G26AU), see-through, odourless and tasteless, mirror-smooth.
- Abrasion loss: $< 36 \text{ mm}^3$ according to DIN 53516.
- Resistance: $R < 10^9 \Omega$.

REINFORCEMENT

- High strength plies of synthetic cord.
- Steel helix wire INOX AISI 302.

COVER

- Technopolymer (code 3G26AU), see-through, odourless and tasteless, smooth, glossy finish.
- Resistant to abrasion and ozone.

STANDARDS

- US Pharmacopoeia Class VI, non-cytotoxic acc. to ISO 10993-Part 5.
- Compliance: FDA, TRGS 727, Regulation EU n. 10/2011, D.M. 21/03/73 and following amendments, ISO 10993-4, -10, -11.

FITTINGS

- Pharma TPU can be supplied in application lengths and assembled with all designs and standards of hygienic & sanitary hose end couplings
- For hose assemblies: Testing of electrical continuity between the hose end couplings will be ($R < 10^9 \Omega$) according to EN 8031.

MAIN BENEFITS

- The inner surface of the hose, smooth and compact, makes easy the flow of the products conveyed and the cleaning operations. Excellent resistance to abrasion.
- See-through construction for easy visual inspection of the media conveyed.
- Light and easy to handle.
- Hose in accordance with the Regulations EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG productive cycle does not employ phthalates, plasticizers, animal derived ingredients, and nitrosamines, thus reducing the risk of bacterial growth and contamination of the product conveyed.
- Non-plasticized hose.

TEMPERATURE RANGE

- From -10°C to $+85^\circ\text{C}$.
- Cleaning with water (up to $+100^\circ\text{C}$ without pressure) mixed with a normal mild cleaning detergent.

SAFETY FACTOR

- ≥ 3 times working pressure.

MARKING



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TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: 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	Min. bending radius mm	Vacuum BAR	Approx. weight kg/m	Max. length m
25	33	4.0	6	18	150	-0.9	0.38	20
38	46	4.0	6	18	230	-0.9	0.54	20
50	58.5	4.25	5	15	300	-0.9	0.98	20
63.5	72	4.25	4	12	400	-0.9	1.24	10
76	85	4.5	4	12	490	-0.8	1.63	10
100	112	6.0	3	9	700	-0.8	2.48	10

Other sizes are available upon request. Please contact our Sales Department. Above technical data refer to application at room temperature ($+20^\circ\text{C}$).



ATEX Approved Hose.



UPDATED: 01/19
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