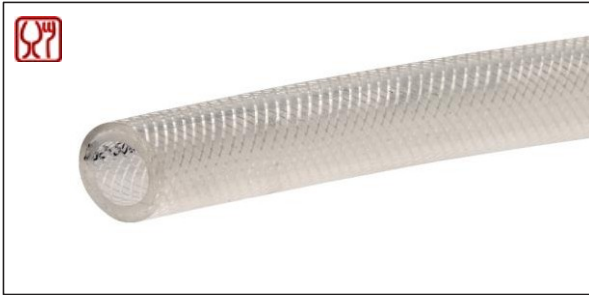


**Food hoses made of TPE (thermoplastic elastomer)**



**PHARMAPRESS**

**TPE braided hose for food, pharmaceutical and cosmetic substances**

- Layer inside. :** transparent TPE-S
- Reinforcement:** polyester braid
- Outer layer. :** transparent TPE-S
- Operating temp:** -30°C to +100°C  
(temperature-dependent operating pressure)

A highly flexible hose designed for the transfer of food, pharmaceutical and cosmetic substances: water, fruit juices, beer, wine, vinegar, alcohols up to 96%, milk and milk products, creams, soaps, aromatic substances, pigments and others. Resistant to fats and oils within the standard range of use. Good chemical resistance to light chemicals - acid and alkaline solutions.

The extruded, completely smooth inner and outer layer of the hose facilitates flow and cleaning. The hose material is non-vulcanised, clean (no vulcanising additives), resistant to hydrolysis, does not promote bacterial growth, with low porosity and low permeability. Completely neutral in terms of taste and odour, does not alter the organoleptic properties of the medium. Resistant to ageing, atmospheric conditions and UV radiation.

Hose cleaning, disinfection or sterilisation strictly according to the recommendations given. Cleaning by the SIP method, which clearly shortens the service life, is not recommended. Use with high alcohol (its vapours or other flammable substances) requires consideration of static electricity hazards.

**Cleaning:**

hot water	water vapour*	chlorine	sodium hydroxide		nitric acid	
		max 1%	2%	5%	0,1%	3%
max 65°C / 20 min	max 121°C / 30 min (1bar)	max 65°C / 20 min	max 75°C / 20 min	max 20°C / 20 min	max 75°C / 20 min	max 20°C / 20 min

\* - permissible (not recommended) - reduces service life

**Standards and requirements:**

Food industry, food contact: complies with European requirements 1935/2004/EC and 10/2011/EU (simulants A, B, C, D1, D2), 2023/2006/EC (GMP) and US FDA 21 CFR 177.2600 "e".

Pharmaceutical industry: USP CLASS VI.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Working pressure 20°C [bar].	Burst pressure 20°C [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
IP-PHARMAPRESS-06	6,4	12,6	3,1	12	36	40	0,08	100
IP-PHARMAPRESS-08	7,9	14,6	3,35	15	45	60	0,11	100
IP-PHARMAPRESS-10	9,5	16,3	3,4	14	42	70	0,13	100
IP-PHARMAPRESS-13	12,7	20,1	3,7	10	30	90	0,18	100
IP-PHARMAPRESS-16	15,9	24,4	4,25	9	27	110	0,25	50
IP-PHARMAPRESS-19	19	27,9	4,45	9	27	130	0,30	50
IP-PHARMAPRESS-25	25,4	34,5	4,55	7	21	180	0,39	50

Note: indexes highlighted in colour - most commonly used

Approximate temperature dependence of burst pressure and working pressure for typical TPE hoses	temperature	20°C	40°C	60°C	80°C	100°C	120°C
	pressure	100%	98%	81%	57%	40%	0%



TPE-S hoses are ideally suited to applications in the cosmetic and pharmaceutical industries, especially with hygienic TRICLOVER tips in AISI 316 stainless steel, forged with stainless steel collets. From left, family members PHARMAPRESS - braided reinforced pressure hose, PHARMASTEEL - with stainless steel spiral, for vacuum, and PHARMASTEEL PRESS - braided and spiral - combines the advantages of its brothers.