

PLUTONE PU PRESS

Ether-based Polyurethane hose with polyester reinforcement and stainless steel spiral

Applications

Suction and delivery hose suitable for pharmaceutical and the food industries. Excellent for transferring powders, pills, tablets, pharmaceutical liquid solutions, flours, drinks, wine, vinegar and spirits with max 20% alcohol content etc.

Technical Features

Flexible hose made from ether-based hygienic TPU, reinforced with AISI 302 stainless steel spiral and polyester yarn. Inside and outside completely smooth to enhance flow properties and for an easy and effective cleaning before and after using.

Properties

The extruded, low porosity TPU tube reduces permeation problems. Highly neutral in taste and odor, it preserves the organoleptic properties of the medium. Very good chemical resistance to acids and alkaline solutions and good impermeability. Versatile rubber resistant also to oils and fats under common use conditions. Halogens free conform to RoHS, as well as completely free from phthalates. Plutone PU Press has high mechanical properties: flexible, light though its wall thickness, really good bending. Resistant to abrasion, hydrolysis, microbes and most chemicals. Excellent resistance to ozone, weather, ageing, UV rays, hydrolysis.

Curing-free material

Plutone Pu Press does not need any vulcanization process, therefore it prevents the risk of leaching of curing agent residues into the end product (peroxide or platinum volatile rests). It allows to save energy sources and limit CO2 emissions.

Standards

Food grade according to the EU Regulation n° 10/2011, FDA regulations (Title 21 CFR 177.2600, aqueous foods). Compliant with the pharmaceutical standards USP CLASS VI. By grounding the steel spiral the hose is electrically bonded according TRB S 2153. The electrical resistance $R \leq 10^2 \text{ Ohm/m}$ is according to ISO 8031 - ATEX Directive 94/4/EC and 99/92/EC).

Temperature range

- 40°C +90°C, (+125°C short time) / - 40°F +194°F, (+257°F short time)

For cleaning and disinfecting, consult IPL's cleaning instructions. We do not recommend the use of SIP cleaning, which can severely impair the hose life.

Connection system

Reusable system, Crimped system

Technical data									
Part number	Inside ø (mm)	Outside ø (mm)	Weight (g/m)	Working press. (bar)	Bursting press. (bar)	Vacuum (mH2O)	Bending radius (mm)	Coil length (m)	Volume (m³)
PN 01 013.0 023.5	13	23.5	365	19	57	10	65	60	0.085
PN 01 020.0 0.32.0	20	32	590	17	51	10	100	60	0.127
PN 01 025.0 037.5	25	37.5	750	12	36	10	125	60	0.159
PN 01 032.0 044.0	32	44	885	11	33	9	160	60	0.218
PN 01 038.0 051.0	38	51	1110	10	30	9	190	30	0.233
PN 01 050.0 065.0	50,5	65	1695	8	24	8	252	30	0.291

