PLUTONE **PF**

TPS hygenic rubber hose with polyester reinforcement and stainless steel spiral

Applications
Versatile suction and delivery hose design to convey food liquids. Suitable for a manifold range media such as premium wines, spirits with max. alcohol content up to 50%, fruit juices, milk and dairy products (no fatty food).

Technical Features
Flexible hose made from TPS hygienic rubber, with steel spiral and polyester reinforcement. Inside and outside completely smooth to enhance flow properties and allow easy cleaning process. Produced with specific tighter tolerances than an equivalent vulcanized rubber hose.

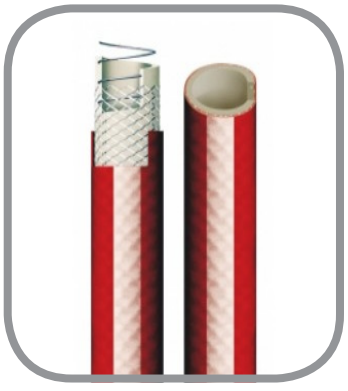
Properties
The extruded, low porosity TPS tube reduces permeation problems. Highly neutral in taste and odor, it preserves the organoleptic properties of the medium. Good chemical resistance to acids and alkaline solutions and good impermeability. Versatile rubber resistant even to an alcohol concentration up to 50%.

Cover Features
Excellent resistance to ozone, ageing, UV rays, hydrolysis and weather conditions.

Curing-free material
The production of Plutone PF 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 (Classes A, B, C, milk and dairy products) - FDA regulations (Title 21 CFR 177.2600). RoHS 2011/65/EU Directive REACH Regulation (1907/2006), TRB S 2153. It can be made electrically bonded according TRB S 2153 by grounding the spiral.The electrical resistance R ≤ 10^2 Ohm/m is according to ISO 8031 - ATEX Directive 94/4/EC and 99/92/EC.

Temperature range
-35°C + 100°C / -31°F +212°F

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 (m^3)
PF 01 020.0 029.0	20	29	370	14	42	10	60	60	0,106
PF 01 025.0 035.0	25	35	510	13	39	10	100	60	0,135
PF 01 032.0 043.0	32	43	690	12	36	9	130	60	0,214
PF 01 038.0 049.0	38	49	800	10	30	9	150	30	0,228
PF 01 040.0 051.0	40	51	840	10	30	9	160	30	0,233
PF 01 050.0 063.0	50	63	1340	10	30	8	250	30	0,286
PF 01 063.0 077.0	63	77	1750	10	30	8	320	30	0,372
PF 01 076.0 091.0	76	91	2120	9	27	7	380	30	0,603
PF 01 080.0 095.0	80	95	2210	9	27	7	400	20	0,497
PF 01 102.0 118.0	102	118	3040	7	21	7	510	20	0,801