

TUFLON PTFE CHEM



Suction and delivery hose for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium). Hose resistant to high temperatures, used as connection between pipes and fixed equipments. Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Phthalates free tube, tested in compliance with REACH regulation. Tested in compliance with USP XXXII class VI, not cytotoxic according to ISO 10993 Section 5:2009. Tested and certified hose by INERIS for use in Atex area (Ex-Zone).

DESCRIPTION

Tube

PTFE (polytetrafluorethylene) black, conductive. PTFE is a polymer with excellent resistance to high temperature, mechanical stress and to oxidation. It complies with FDA 21 CFR 177.1550 standards, USP XXXII class VI, ISO 10993 Sections 5,10,11:2009

Reinforcement

synthetic plies, galvanized wire helices, a/s copper wires to discharge static electricity

Cover

smooth, EPDM black, conductive, abrasion, ageing and ozone resistant, cloth finish

Marking

red/white/blue transfer tape TUDERTECHNICA TUFLON PTFE CHEM



Embossed stripe according to the Norm EN 12115

TUDERTECHNICA PTFE EN12115:2011 DN SD PN 16 BAR Ω/T Q/Y

Sterilization

according to 3A Sanitary Standard Class II

TECHNICAL CHARACTERISTICS

Temperature

-40°C / +150°C (-40°F / +302°F) The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose

Vacuum

675 mmHg (26,6 inHg)

Electrical properties

type Ω/T according to EN 12115 ($R < 10^6 \Omega$, $R < 10^9 \Omega$ through the hose wall)

Norm

EN12115

TRbF 131/2

3A Sanitary Standard Class II

Inside diameter		Outside diameter		Lenght		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	[in]	[mm]	[in]	[mt]	[ft]	[bar]	[psi]	[bar]	[psi]	[kg/mt]	[lbs/ft]	[mm]	[in]
13	0,50	25	1,00	40	130	16	250	64	1000	0,54	0,36	90	3,54
19	0,75	31	1,22	40	130	16	250	64	1000	0,70	0,47	130	5,12
25	1,00	37	1,46	40	130	16	250	64	1000	0,86	0,58	170	6,69
32	1,25	44	1,73	40	130	16	250	64	1000	1,18	0,79	215	8,46
38	1,50	51	2,00	40	130	16	250	64	1000	1,43	0,96	255	10,04
50	1,97	66	2,60	40	130	16	250	64	1000	2,08	1,39	330	12,99
63,5	2,50	79,5	3,13	20	65	16	250	64	1000	2,96	1,98	430	16,93
75	2,95	91	3,58	20	65	16	250	64	1000	3,43	2,30	510	20,08

Data refer to ambient temperature (20°C).