TUFLUOR® PTFE CHEM FULL CONDUCTIVE FORM

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Suction and delivery hose designed according to EN 12115 standards for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium). 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. Tested and certified hose by BUREAU VERITAS for use in Atex area (Ex-Zone). Manufactured according to GMP (Reg. (CE) 2023/2006). Not intended for use as an implant material. Not suitable for blood or human fluids.

TECHNICAL CHARACTERISTICS

Temperature range : -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.
Electrical properties : type Ω/T according to norm EN 12115 ($R<10^6$ Ω, $R<10^9$ Ω through the hose wall)
Norm : EN12115 - TRbF 131/2

refer to guidelines for cleaning and sanitizing on Tudertechnica website

Ex · GMP CE 2023/2006 · PHTHALATES REACH FREE · FDA · DM 21/03/1973 · USP CLASS VI · ISO 10993 · CE 1935/2004 · CE 10/2011 1245/2020 · RPSCQC No. 72

DESCRIPTION

Tube

TEFLON™ PTFE, black, conductive, smooth, phthalates free, tested in compliance with 1907/2006/CE (REACH). TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress and oxidation. It complies with FDA 21 CFR 177.1550; DM 21/03/1973 and subsequent amendments; USP class VI main requirements; ISO 10993 - 5:2009, 11:2006; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE; 3-A RPSCQC for (62-02) Hose Assemblies.

Reinforcement

synthetic plies, stainless steel wire helices, a/s wire to discharge static electricity

Cover

wide corrugated, EPDM, black, conductive, cloth finish. Abrasion, ageing and ozone resistant

Marking

red/white/blue tape
TUDERTECHNICA TUFLUOR® PTFE CHEM FULL CONDUCTIVE
embossed according to norm EN 12115
TUDERTECHNICA PTFE EN12115:2021 DN SD PN 10 BAR Ω/T Q/Y

Inside diameter		Outside diameter		Length		Vacuum		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	*[in]*	*[mm]*	*[in]*	*[mt]*	*[ft]*	*[bar]*	*[psi]*	*[bar]*	*[psi]*	*[bar]*	*[psi]*	*[kg/mt]*	*[lbs/ft]*	*[mm]*	*[in]*
13	0,50	25	1,00	40	130	0,9	13	10	150	40	600	0,49	0,33	55	2,17
19	0,75	31	1,22	40	130	0,9	13	10	150	40	600	0,64	0,43	75	2,95
25	1,00	37	1,46	40	130	0,9	13	10	150	40	600	0,79	0,53	95	3,74
32	1,25	44	1,73	40	130	0,9	13	10	150	40	600	0,90	0,60	115	4,53
38	1,50	51	2,00	40	130	0,9	13	10	150	40	600	1,22	0,82	140	5,51
50	1,97	66	2,60	40	130	0,9	13	10	150	40	600	1,95	1,31	190	7,48
63,5	2,50	79,5	3,13	20	65	0,9	13	10	150	40	600	2,54	1,70	245	9,65
75	2,95	91	3,58	20	65	0,9	13	10	150	40	600	2,95	1,97	330	12,99
100	3,94	116	4,57	20	65	0,9	13	10	150	40	600	3,82	2,56	475	18,70

Data refer to ambient temperature (20°C).
We reserve the right to supply in random lengths shorter than 40mt or 20mt.

REV-2022-03-04