



# TUCHEM® UPE FULL CONDUCTIVE FORM



WIDE CORRUGATED, BLACK, CONDUCTIVE, CLOTH FINISH EPDM  
GALVANIZED WIRE HELICES  
SYNTHETIC PLYS  
BLACK, CONDUCTIVE UPE

Suction and delivery hose designed according to EN 12115 standards for chemical products. Tested and certified hose by BUREAU VERITAS for use in Atex area (Ex-Zone).

## DESCRIPTION

### Tube

UPE, black, conductive, phthalates free according to 1907/2006/CE (REACH). Meets FDA 21 CFR 177.1520; BfR III; DM 21/03/1973 and subsequent amendments; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE.

### Reinforcement

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

### Cover

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

### Marking

white/blue tape

TUDERTECHNICA TUCHEM® UPE FULL CONDUCTIVE

embossed according to norm EN 12115

TUDERTECHNICA UHMWPE EN12115:2021 DN SD PN 10 BAR Ω/T Q/Y

## TECHNICAL CHARACTERISTICS

**Temperature range :** -35°C / +100°C ( -31°F / +212°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<sup>6</sup> Ω, R<10<sup>9</sup> Ω through the hose wall)

**Norm :** EN12115 - TRbF 131/2



refer to guidelines for cleaning and sanitizing on Tudertecnica website



Inside diameter		Outside diameter		Vacuum		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]	[bar]	[psi]	[kg/mt]	[lbs/ft]	[mm]	[in]
25	1,00	37	1,46	0,9	13	10	150	40	600	0,71	0,48	95	3,74
32	1,25	44	1,73	0,9	13	10	150	40	600	0,87	0,58	115	4,53
38	1,50	51	2,00	0,9	13	10	150	40	600	1,11	0,74	140	5,51
50	1,97	66	2,60	0,9	13	10	150	40	600	1,84	1,23	190	7,48
51	2,00	67	2,64	0,9	13	10	150	40	600	1,87	1,26	190	7,48
63,5	2,50	79,5	3,13	0,9	13	10	150	40	600	2,34	1,57	245	9,65
75	2,95	91	3,58	0,9	13	10	150	40	600	2,77	1,86	330	12,99
76	3,00	92	3,62	0,9	13	10	150	40	600	2,80	1,88	330	12,99
100	3,94	116	4,57	0,9	13	10	150	40	600	3,48	2,34	475	18,70
102	4,00	118	4,65	0,9	13	10	150	40	600	3,54	2,38	475	18,70

Data refer to ambient temperature (20 °C).

REV-2022-03-04