

Teknikum MULTI-TEK™ SD UPE PRO



APPLICATIONS

Multipurpose suction and delivery hose corresponding to high quality standards in chemical industry. The hose endures approximately 98 % of the most common industrial chemicals.

The hose is designed for applications in the chemical, pharmaceutical and foodstuff industry.

The life cycle of the hose depends on the concentration and the temperature of transferred chemicals. Suitability of chemicals needs to be checked case specifically.

ADVANTAGES

- Multipurpose and suitable for almost all chemicals
- White FDA-approved UHMWPE-lining with black electrically conductive spots
- Excellent weather and ageing resistance
- High mechanical strength
- High burst pressure $\geq 6,4$ MPa
- Suitable with many types of couplings.

STANDARD/ COMPLIANCE

Meets the requirements of chemical hose standard EN 12115:2021.

FDA-approved material: CFR 21 § 177.1520.

EU regulation: No. 1935/2004, 10/2011.

ATEX compliance: EC 2014/34/EU, equipment group II / category 2.

TECHNICAL PROPERTIES

Structure

- Tube: white UHMWPE-film (Ultra High Molecular Weight Polyethylene)
 - smooth
 - chemical resistant
 - with black spots
 - FDA-approved material
- Reinforcement: textile and steel spiral
- Cover: black EPDM
 - smooth
 - chemical resistant
 - wear and weather resistant
 - non-flammable
- Burst safety factor 4 x working press.

Temperature range

- 40°C... +100°C.

Electrical properties

- Meets the requirements of EN 12115:2021
- Hose type: Ω /T
- Conductive tube and cover $R \leq 10^6 \Omega$ / length
- Conductive through the hose wall $R \leq 10^9 \Omega$
- ATEX compliance (EC 2014/34/EU), equipment group II / category 2.

MAINTENANCE

Washing

Before using in food industry, the hoses must be cleaned with steam. Please see Manufacturer declaration for more details.

SUITABLE COUPLINGS AND CLAMPS

We recommend hose couplings according to EN 14420-7 and clamps according to EN 14420-3.

MANUFACTURER

Teknikum Oy (Business ID FI07645274),
Nokiankatu 1, 38210, Sastamala, Finland

More information

sales@teknikum.com
www.teknikum.com



ORDER REFERENCE

Product code 	Ø i.d. mm 	Ø o.d. mm 	Working press. bar 	Vacuum max. bar 	Bending radius mm 	Weight kg/m 	Length m 
H2820WC019	19	31	16	0,9	76	0,7	40
H2820WC025	25	37	16	0,9	100	0,8	40
H2820WC032	32	44	16	0,9	128	1,0	40
H2820WC038	38	51	16	0,9	152	1,2	40
H2820WC040	40	53	16	0,9	160	1,3	40
H2820WC050	50	66	16	0,9	200	1,9	40
H2820WC063	63	79	16	0,9	252	2,1	40
H2820WC075	75	91	16	0,9	300	2,6	40
H2820WC076	76	92	16	0,9	304	2,6	40
H2820WC100	100	116	16	0,9	400	4,0	40
H2820WC102	102	118	16	0,9	408	4,0	40

Other dimensions available on request.

MARKINGS



Also embossed standard markings:

TEKNIKUM - EN 12115:2021 - UPE - FDA - SD - (id) - 16bar - -40°C/+100°C - Ω/T - quarter/year