

## 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:  $\Omega/T$
- 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

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[www.teknikum.com](http://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
							
<b>H2820WC019</b>	19	31	16	0,9	76	0,7	40
<b>H2820WC025</b>	25	37	16	0,9	100	0,8	40
<b>H2820WC032</b>	32	44	16	0,9	128	1,0	40
<b>H2820WC038</b>	38	51	16	0,9	152	1,2	40
<b>H2820WC040</b>	40	53	16	0,9	160	1,3	40
<b>H2820WC050</b>	50	66	16	0,9	200	1,9	40
<b>H2820WC063</b>	63	79	16	0,9	252	2,1	40
<b>H2820WC075</b>	75	91	16	0,9	300	2,6	40
<b>H2820WC076</b>	76	92	16	0,9	304	2,6	40
<b>H2820WC100</b>	100	116	16	0,9	400	4,0	40
<b>H2820WC102</b>	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