

## Teknikum TITAN™ CERAMIC ANTISTATIC



### APPLICATIONS

Teknikum TITAN™ CERAMIC ANTISTATIC is an extremely wear resistant and long-life version of Teknikum TITAN™ hose. The inner lining of the hose is made of ceramic.

The hose is well suitable for transportation of very abrasive materials, e.g. sludge, powdered lime, carbon, quartz sand and granulates in applications where frequent maintenance breaks and hose replacements are not desirable.

The hoses special manufacturing and vulcanization process provides excellent adhesion durability between rubber and ceramics.

### ADVANTAGES

- Safe and durable material handling hose
- Extremely high wear-resistance
- Ceramic provides longer life cycle in comparison to rubber hoses
- Very flexible and due to special ceramic-rubber lining structure
- Eliminates vibrations and noise
- Excellent weather-resistance
- Quick and easy installation

### TECHNICAL PROPERTIES

#### Structure

- Tube: ceramic lining
  - Extra wear-resistant
- Reinforcement: textile and steel spiral
- Cover: black SBR
  - smooth
  - wear-resistant
  - weather resistant
  - antistatic
- Safety factor: 3,2  
(Burst pressure = 3,2 x working pressure)

#### Temperature range

-40°C... +80°C

#### Electrical properties

- Conductive tube and cover  $R \leq 10^6 \Omega$  / length
- Conductive through the hose wall  $R \leq 10^9 \Omega$

### SUITABLE COUPLINGS AND FLANGES

We recommend Teknikum TITAN™ Select couplings and Select gaskets. Available also with Teknikum PLUS™ flange system for high pressure applications.

### MANUFACTURER

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

#### More information

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## ORDER REFERENCE

Product code	Ø i.d. mm	Ø o.d. mm	Working press. MPa	Vacuum max. MPa	Bendin g radius Mm	Weight kg/m	Length m
<b>4920040</b>	40	64	1,0	0,09	170	3,10	10
<b>4920050</b>	50	72	1,0	0,09	220	3,60	10
<b>4920063</b>	63	82	1,0	0,09	320	4,0	10
<b>4920076</b>	76	100	1,0	0,09	420	5,50	10
<b>4920080</b>	80	104	1,0	0,09	440	6,0	10
<b>4920090</b>	90	113	1,0	0,09	500	6,80	10
<b>4920102</b>	102	125	1,0	0,09	520	7,40	10
<b>4920115</b>	115	141	1,0	0,09	560	9,0	10
<b>4920127</b>	127	154	1,0	0,09	620	9,80	10
<b>4920152</b>	152	178	1,0	0,09	820	12,50	10
<b>4920180</b>	180	212	1,0	0,09	1200	18,10	10
<b>4920203</b>	203	238	1,0	0,09	1800	21,30	10
<b>4920253</b>	253	291	0,5	0,05	2500	26,40	10
<b>4920300</b>	300	341	0,5	0,05	3000	32,70	10
<b>4920305</b>	305	341	0,5	0,05	3000	32,70	10
<b>4920350</b>	350	403	0,5	0,05	3600	48,50	10
<b>4920405</b>	405	456	0,5	0,05	4200	53,40	10
<b>4920450</b>	450	508	0,5	0,05	4700	63,0	10
<b>4920508</b>	508	558	0,5	0,05	5200	76,50	10
<b>4920600</b>	600	664	0,5	0,05	6500	96,70	10

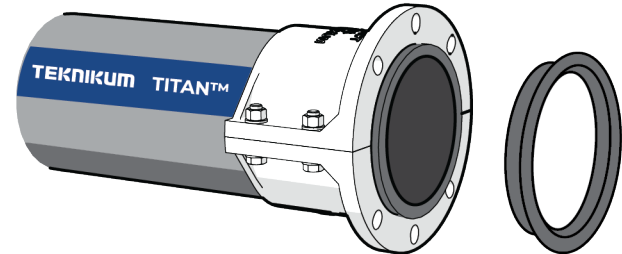
Other dimensions available on request.

### MARKINGS



### REFERENCE IMAGES

With recommended coupling **Teknikum TITAN™ Select**



With **Teknikum PLUS™** flange system

