

## Teknikum GRANIT® CERAMIC Antistatic



### APPLICATIONS

Extremely wear resistant and long-life version of Teknikum GRANIT® 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 hose
- Extremely high wear-resistance
- Ceramic provides longer life cycle in comparison to rubber hoses
- Very flexible and low bending radius due to corrugated cover and ceramic-rubber lining structure
- High burst pressure  $\geq 3,2$  MPa
- Eliminates vibrations and noise
- Excellent weather-resistance
- Quick and easy installation
- Complete with GRANIT® Select couplings

### TECHNICAL PROPERTIES

#### Structure

- Tube: ceramic lining
  - extremely wear resistant
- Reinforcement: textile and steel spiral
- Cover: black SBR
  - corrugated surface
  - wear and weather resistant
  - antistatic
- Burst safety factor 3,2 x working press.

#### 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 CLAMPS

We recommend Teknikum PLUS™ flange system or Teknikum GRANIT® Select couplings and select gaskets.

### 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
							
H4910025	25	53	10	0,9	130	2,7	10
H4910032	32	60	10	0,9	140	3,2	10
H4910040	40	73	10	0,9	150	4,6	10
H4910050	50	83	10	0,9	200	4,7	10
H4910065	65	98	10	0,9	300	6,0	10
H4910080	80	113	10	0,9	400	8,2	10
H4910102	102	133	10	0,9	500	9,7	10
H4910127	127	164	10	0,9	600	12,6	10
H4910152	152	189	10	0,9	800	14,7	10
H4910203	203	246	10	0,9	1800	21,5	10
H4910253	253	293	10	0,9	2200	25,0	10
H4910305	305	352	10	0,9	3000	42,0	10
H4910350	350	407	10	0,9	3600	54,0	10

Other dimensions available on request.

## MARKINGS



REFERENCE IMAGES

With recommended coupling **Teknikum GRANIT® Select**



Available also with **Teknikum PLUS™** flange

