



SUPERIOR/CHF SDN

Tube black conductive UHMWPE - Cover EPDM

Applications:

Extra-flexible mandrel built chemical suction and delivery hose designed for acids, bases, ketons, aldehyds, esters, aromatic, aliphatic and chlorinated hydrocarbons. Also suitable for animal or vegetable foodstuffs and alcoholic drinks.

According to EN 12115: 2011 - Type Ω/T. For a correct use of the hose please consult our Chemical Resistance Chart.

Can be used in explosive environment according to official report 16EXAM11132 BVS-bk by DEKRA: zone 0, 1, 2 according to IEC/TS 60079-32-1-2016 / TRGS 727 Ausgabe 08:2016 and EN ISO 8031:2010.

Flow medium:

acids, bases, ketons, aldehyds, esters, aromatic, aliphatic and chlorinated hydrocarbons, animal or vegetable foodstuffs, alcoholic drinks

Marking:

THOR SUPERIOR UPE (blue/white) + embossed according to norm

Standard / Approval:

EN12115:2011 - Typ Ω/T, IEC/TS 60079-32-1-2016 / TRGS 727Ausgabe 08:2016 i EN ISO 8031:2010

Description:

- **Inner lining:** UHMWPE, black, smooth, conductive, resistant to abrasion. Food quality according to F.D.A. standards and to the norms EC 1935/2004 and EU 10/2011
- **Reinforcements:** High tensile textile plies and steel helix wire
- **Cover:** Special black rubber, conductive, weather, ozone and abrasion resistant. Resistance to flame according to TRbF 131 - Teil 2 - § 5.5. Fabric impression
- **Working pressure up to:** 5 bar
- **Temperature range:** -25 °C Cleaning up to 130°C for max. 30 min in open system. Temperature and concentration of the transported medium: refer to chemical resistance chart

The hose resists to a tensile stress of 4.000 N (approx. 400 kg) with a temporary diameter shrinking of 3,5%.

Available also in the following version: SUPERIOR/CHF SHN: with antistatic copper wire.

Technical data:

INDEX									
nr	mm	mm	mm	bar ¹	bar ¹	bar ¹	aprx. mm	mm	aprx. kg/m
-	19	6	31	16	64	0,9	75	-	0,71
-	25	6	37	16	64	0,9	75	-	0,88
-	32	6	44	16	64	0,9	95	-	1,03
-	38	6,5	51	16	64	0,9	110	-	1,27
-	50	8	66	16	64	0,9	145	-	2,03
-	63	8	79	16	64	0,9	185	-	2,52
-	76	8	92	16	64	0,8	220	-	3,07
-	102	8	118	16	48	0,8	295	-	4,13

1 - Pressure based on room temperature / High pressure and/or temperature lead to reduced component durability.