

ABRASION-RESISTANT

ARMOFLEX®

Robust food hose — abrasion-resistant soft PVC for liquid foods, sludge and slurry under harsh conditions



Highly flexible and robust suction and pressure hose in soft PVC, food-grade and abrasion-resistant. Designed for transport of liquid foods as well as sludge and slurry under harsh operating conditions. Food-grade per EU 10/2011, EU 1935/2004, GMP and LFGB. Broad application range from municipal vehicles to pneumatic transport of wet-abrasive media.

Media: Gas, Dust, Liquid

Temp: -25 °C to 60 °C

✓ Cut to length

APPLICATIONS

- Transport of liquid foods (juice, cream, meat soup)
- Sludge and slurry pumping in food factories
- Municipal vehicles with wet-food handling
- Irrigation and discharge installations on food production
- Filling systems in beverage industry
- Wastewater transport and discharge handling

Technical specifications

Material	Soft PVC, food-grade
Colour	Transparent
Wall construction	Smooth interior, smooth outer cover, food-grade PVC
Conveying media	Gas, Dust, Liquid
Temperature range	-25 °C – 60 °C
Short-term peak	60 °C
Cut to length	Yes
Manufacturer SKU	4480

Standards and compliance

en-iso-1307, EU 1935/2004, EU 10/2011, Ifgb, gmp-eu-2023-2006, REACH, RoHS

Dimensions and ordering

The hose is supplied in 21 standard sizes from inner Ø 10.0 mm to 152.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
10	17	3.5	10	0.9	30	30	0.2	30	4480010000
12	18	3	9	0.9	36	30	0.21	30	4480012000
14	20	3	9	0.9	42	50	0.23	50	4480014000
16	22	3	9	0.9	48	50	0.26	50	4480016000
18	24	3	8	0.9	54	50	0.32	50	4480018000
20	27	3.5	8	0.9	60	50	0.36	50	4480020000
25	33	4	8	0.9	75	50	0.5	50	4480025000
32	40	4	8	0.9	96	50	0.68	50	4480032000
38	47	4.5	7	0.9	114	50	0.82	50	4480038000
40	49	4.5	7	0.9	120	50	0.9	50	4480040000
45	54	4.5	6	0.9	135	50	1.1	50	4480045000
51	61	5	5	0.9	153	50	1.28	50	4480050000
60	71	5.5	5	0.9	180	30	1.75	30	4480060000
63	75	6	5	0.9	189	30	1.8	30	4480063000
76	88	6	4	0.9	228	30	2.4	30	4480075000
80	93	6.5	4	0.9	240	30	2.57	30	4480080000
90	103	6.5	4	0.9	270	20	2.95	20	4480090000
102	116	7	3	0.9	306	20	3.8	20	4480100000
110	125	7.5	3	0.9	330	20	4.2	20	4480110000
127	143	8	3	0.9	381	20	4.8	20	4480125000
152	169	8.5	2	0.9	456	20	6.5	20	4480150000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.