

SMOOTHFLEXX PU MHR

Lightweight, hydrolysis- and abrasive resistant, very flexible PU-Ether hose, ideal for low-friction conveying of solid and liquid substances

- Resistant to hydrolysis and microbes
- Good abrasion resistance
- Lightweight and very flexible hose
- Rigid PVC spiral
- Smooth bore
- Highly flexible

MEDIUM



PROPERTIES



Structure:

Polyether-Polyurethane wall, reinforced with rigid anti-shock PVC helix

Characteristics:

Microbe and hydrolysis-resistant, very flexible and lightweight hose with good abrasion resistance and a smooth inside with outside folds for low-friction conveying of solid and liquid substances.

Applications:

Designed for light suction and transport of abrasive particles, granules, waste and dust in the plastic, wood and construction industries and in agriculture.

Designed for areas with high humidity.

Ideally suited for conveying liquid and solid mixtures, or pure liquids.

Also available with [food certificate](#)

Temperature range:

-40°C up to +80°C

Colour:

Transparent, black helix

Specials:

[SMOOTHFLEXX PU ANT IND](#): Antistatic version with grounding wire

SMOOTHFLEXX PU AS: Antistatic version (Surface resistance $R \leq 10^9$ Ohm/m)

SMOOTHFLEXX PU EL: Electrically conductive version (Surface resistance $R \leq 10^6$ Ohm/m)

SMOOTHFLEXX PU FR: Flame retardant version

SMOOTHFLEXX X-TRA PU: With 1,0mm thick wall

SMOOTHFLEXX X-TREME PU: With 1,4mm thick wall

SMOOTHFLEXX ULTIMATE PU: With 2,0mm thick wall

[SMOOTHFLEXX PU IND](#): Ester-PU Industrial version for conveying of solids

[SMOOTHFLEXX PU FOOD](#): Foodgrade version, Microbe and hydrolysis-resistant (Antistatic variant available)

Combinations of available construction possible. Just ask your personal sales contact for more information.

For more information about Eco-friendly products and sustainability at VACUFLEX visit our sustainability page "[Sustainable Products – Made in Germany](#)"

ID Ø [mm]	Wall Thickness [mm]	r (min.) [mm]	Weight ca. [kg/m]	Vacuum [mbar]	Pressure [bar]	Part no.
20	0,50	23	0,140	250	1,5	9-1000-020-00
25	0,50	29	0,170	250	1,5	9-1000-025-00
30	0,50	35	0,195	250	1,5	9-1000-030-00
32	0,50	37	0,210	200	1,5	9-1000-032-00
35	0,50	40	0,225	200	1,5	9-1000-035-00
38	0,50	44	0,250	200	1,5	9-1000-038-00
40	0,50	46	0,260	200	1,5	9-1000-040-00
45	0,50	52	0,293	200	1,5	9-1000-045-00
51	0,50	59	0,345	200	1,0	9-1000-051-00
60	0,50	69	0,410	160	1,0	9-1000-060-00
63	0,50	72	0,430	160	1,0	9-1000-063-00
70	0,60	81	0,514	160	1,0	9-1000-070-00
76	0,60	87	0,550	160	1,0	9-1000-076-00
80	0,60	92	0,575	160	1,0	9-1000-080-00
89	0,60	104	0,636	140	1,0	9-1000-089-00
102	0,60	117	0,721	130	0,8	9-1000-102-00
110	0,65	127	0,778	120	0,8	9-1000-110-00
120	0,65	138	0,985	100	0,8	9-1000-120-00
127	0,65	146	0,960	100	0,8	9-1000-127-00
140	0,65	161	1,205	90	0,6	9-1000-140-00
152	0,65	175	1,263	80	0,6	9-1000-152-00
160						9-1000-160-00
203	0,75	230	2,150	40	0,4	9-1000-203-00
254	0,75	288	2,630	40	0,3	9-1000-254-00

Other diameters and special variants upon request.

State: 08.10.2024

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All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances. Max. operating pressures apply only for short periods. We reserve the right to make technical changes and color deviations. Other versions are available upon request.
Stand: 10/2024