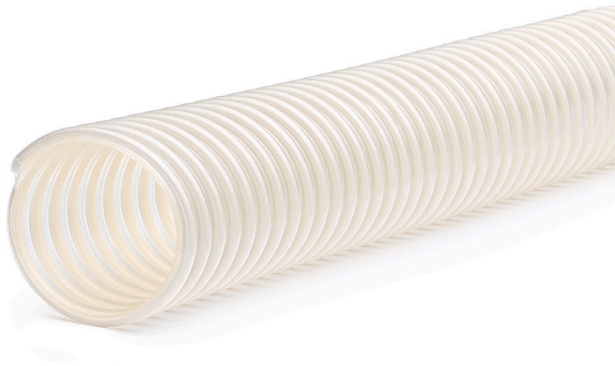
SMOOTHFLEXX PU FDA MHR

Inner smooth and highly flexible tube made from food-grade TPU ether (FDA), transparent with an impact-resistant hard PVC spiral



Applications pharmaceutical production, food production & -conveying, packaging machines, conveying technology, medical devices

Structure Polyether-Polyurethane, uncolored, transparent, plastic spiral / rigid PVC

Temperature -30°C up to 80°C

Properties hydrolysis & microbe resistant, rot proof, weather proof, very good flexibility, corrugated outside smooth inside, good tensile strength, ultimate elongation, good temperature resistance

Norms FDA standard 21 CFR 177.2600 & 178.2010





made in Germany

Inner Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Weight (kg/m)	Article Number
20	0,50	23	1,50	0,25	0,14000	9-4000-020-10/998
25	0,50	29	1,50	0,25	0,17000	9-4000-025-10/998
30	0,50	35	1,50	0,25	0,19500	9-4000-030-10/998
32	0,50	37	1,50	0,20	0,21000	9-4000-032-10/998
35	0,50	40	1,50	0,20	0,22500	9-4000-035-10/998
38	0,50	44	1,50	0,20	0,25000	9-4000-038-10/998
40	0,50	46	1,50	0,20	0,26000	9-4000-040-10/998
45	0,50	52	1,50	0,20	0,29300	9-4000-045-10/998
51	0,50	59	1,00	0,20	0,34500	9-4000-051-10/998
60	0,50	69	1,00	0,16	0,41000	9-4000-060-10/998
63	0,50	72	1,00	0,16	0,43000	9-4000-063-10/998
70	0,60	81	1,00	0,16	0,51400	9-4000-070-10/998
76	0,60	87	1,00	0,16	0,55000	9-4000-076-10/998
80	0,60	92	1,00	0,16	0,57500	9-4000-080-10/998
89	0,60	104	1,00	0,14	0,63600	9-4000-089-10/998
102	0,60	117	0,80	0,13	0,72100	9-4000-102-10/998
110	0,65	127	0,80	0,12	0,77800	9-4000-110-10/998
120	0,65	138	0,80	0,10	0,98500	9-4000-120-10/998
127	0,65	146	0,80	0,10	0,96000	9-4000-127-10/998
140	0,65	161	0,60	0,09	1,20500	9-4000-140-10/998
152	0,65	175	0,60	0,08	1,26300	9-4000-152-10/998
203	0,75	230	0,40	0,04	2,15000	9-4000-203-10/998

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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. Technical changes and color deviations are subject to change. Other versions are available upon request.
Date: 24.11.2026

Inner Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Weight (kg/m)	Article Number
254	0,75	288	0,30	0,04	2,63000	9-4000-254-10/998

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