SMOOTHFLEXX PU FOOD

Light weight and very flexible Polyurethane hose, reinforced with rigid antishock PVC helix

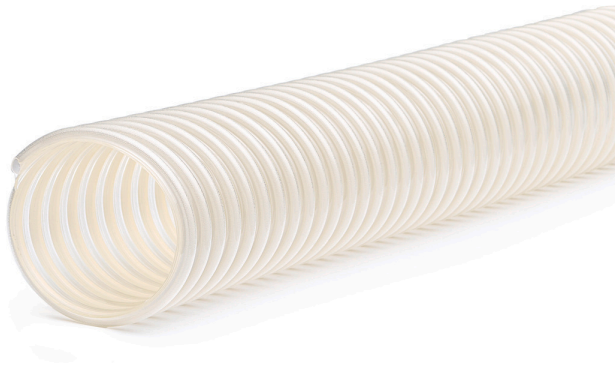
Applications food production & -conveying, pharmaceutical production, grass extraction, seed conveying, sweepers

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

Temperature -30°C up to 80°C

Properties light weight, very good flexibility, good abrasion resistance, corrugated outside, very smooth inside, hydrolysis & microbe resistant, weather proof, rot proof

Norms certified according to Food EU Directive (EC) No. 1935/2004 & Regulation (EC) No. 10/2011 for A, B, C, D1, D2, E | manufacturing process according to GMP EC 2023/2006







made in Germany

Inner Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Weight (kg/m)	Length (m)	Article Number
20	0,50	23	1,50	0,25	0,14000		ND35002000N
25	0,50	29	1,50	0,25	0,17000		ND35002500N
30	0,50	35	1,50	0,25	0,19500		ND35003000N
32	0,50	37	1,50	0,20	0,21000		ND35003200N
35	0,50	40	1,50	0,20	0,22500		ND35003500N
38	0,50	44	1,50	0,20	0,25000		ND35003800N
40	0,50	46	1,50	0,20	0,26000		ND35004000N
45	0,50	52	1,50	0,20	0,29300		ND35004500N
51	0,50	59	1,00	0,20	0,34500		ND35005100N
60	0,50	69	1,00	0,16	0,41000		ND35006000N
63	0,50	72	1,00	0,16	0,43000		ND35006300N
70	0,60	81	1,00	0,16	0,50300		ND35007000N
76	0,60	87	1,00	0,16	0,55000		ND35007600N
80	0,60	92	1,00	0,16	0,57500		ND35008000N
102	0,60	117	0,80	0,13	0,72100		ND35010200N
110	0,65	127	0,80	0,12	0,73000	20	ND35011000N
120	0,65	138	0,80	0,10	0,86300		ND35012000N
127	0,65	146	0,80	0,10	0,96000		ND35012700N
140	0,65	161	0,60	0,09	1,00600		ND35014000N
152	0,65	175	0,60	0,08	1,26300		ND35015200N
203	0,75	230	0,40	0,04	2,15000		ND35020300K

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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: 23.11.2026