SMOOTHFLEXX PU FOOD X-TRA

Food-grade polyether-polyurethane tubing, reinforced with an impact-resistant rigid PVC spiral



Applications	conveying technology, beverage production & conveying, medical devices, pharmaceutical production, packaging machines
Structure	Polyether-Polyurethane, transparent, plastic spiral / rigid PVC
Temperature	-40°C up to 80°C
Properties	hydrolysis & microbe resistant, good flexibility, very good abrasion resistance, smooth inside, corrugated outside, good chemical resistance
Norms	certified according to Food EU Directive (EC) No. 1935/2004 & Regulation (EC) No. 10/2011 for A, B, C, D1, D2, E





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	0,80	70	2,00	0,35	0,18000	20	ND35302000N
25	0,80	88	2,00	0,35	0,23000	20	ND35302500N
30	0,80	105	2,00	0,35	0,35000	20	ND35303000N
32	0,80	112	2,00	0,30	0,38000	20	ND35303200N
38	0,80	133	2,00	0,30	0,34300	20	ND35303800N
40	0,90	140	2,00	0,30	0,39000	20	ND35304000N
45	0,90	158	2,00	0,30	0,41000	20	ND35304500N
51	1,00	179	1,50	0,25	0,50400	20	ND35305100N
60	1,00	210	1,50	0,25	0,45000	20	ND35306000N
63	1,00	221	1,50	0,25	0,63000	20	ND35306300N
65	1,00	228	1,50	0,25	0,73000	20	ND35306500N
70	1,00	245	1,50	0,25	0,74000	20	ND35307000N
76	1,00	266	1,50	0,25	0,74200	20	ND35307600N
80	1,00	280	1,50	0,25	0,89000	20	ND35308000N
90	1,00	315	1,50	0,23	1,03000	20	ND35309000N
102	1,00	357	1,30	0,22	0,99300	20	ND35310200N
110	1,00	385	1,30	0,21	1,16000	20	ND35311000N
120	1,00	420	1,30	0,20	1,32000	20	ND35312000N
127	1,00	445	1,30	0,20	1,23600	20	ND35312700N
140	1,00	490	1,00	0,18	1,74000	20	ND35314000N
152	1,00	532	1,00	0,16	1,47900	10	ND35315200K
152	1,00	532	1,00	0,16	1,47900	20	ND35315200N

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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)	Length (m)	Article Number
160	1,00	560	0,90	0,16	2,53000	10	ND35316000K
180	1,00	630	0,80	0,12	3,39000	10	ND35318000K
203	1,20	711	0,70	0,10	1,97500	10	ND35320300K
250	1,20	875	0,50	0,10	3,81000	10	ND35325000K

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