



A-FLEX PU11

Properties

- utilization of a thick profile contour made of polyurethane gives to the hose great strength
- suitable to be used with remarkable pressure and depression
- good tear and cuts resistance (seven times more than PVC)
- very smooth inner wall allows low charge losses.
- fairly flexibility, even at low temperatures
- axial compression 1:1
- fairly chemical resistance to oils and fats, as well as acids and bases and organic solvents (except ketones and aromatic solvents)
- good resistance also to UV, even if a typical polyurethane characteristic is photosensitivity and colour alterations may occur, that turns to yellowing, but not affecting its qualities
- excellent water and gases proofness

Applications

- suction and pneumatic convey of very abrasive materials during wood, metal, plastics and ceramic process
- suction for industrial sweepers
- suction from sand blasters
- suction of fibres and textile cuttings
- suction in concrete industries
- suction in paper mill industries
- suction outdoor in presence of hard atmospheric conditions

Construction

- strong profile contour made of a high quality polyurethane polyester and a helix made of armonic steel, coated with PVC, embodied into the profile layers



Code - A8G19....

Base Material - PU

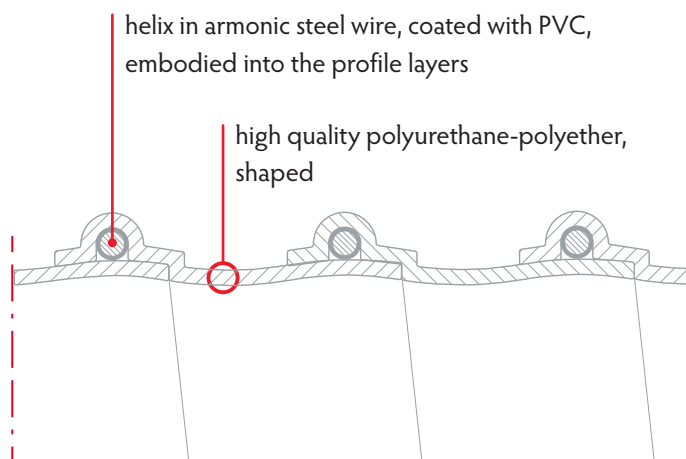
Operating Temperature - $-40 \div +100\text{ }^{\circ}\text{C}$

Pressure - $0,04 \div 2,30\text{ bar}$

Vacuum - $0,31 \div 6,12\text{ mtH}_2\text{O}$

Diameter Range - $20 \div 710\text{ mm}$

Key Feature - Transparent, Spiral hose



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Standard production

- diameters: 20 ÷ 710 mm
- colour: transparent-ivory with a white helix
- production lengths: 10 m

Available on request

- special lengths up to ca. 20 m

inner Ø	weight	bending radius	working pressure	vacuum
mm	g/m	mm	bar	mth20
20	172	30	2,30	6,12
25	211	33	2,20	6,12
30	252	45	2,10	5,10
35	293	53	2,05	4,89
40	351	60	2,00	4,59
45	391	68	1,90	4,39
50	440	75	1,80	4,08
55	484	83	1,70	3,88
60	529	90	1,60	3,57
65	574	98	1,55	3,57
70	611	105	1,50	3,57
75	628	113	1,30	3,06
80	670	120	1,30	3,06
85	712	127	1,10	3,06
90	754	135	1,10	3,06
100	1021	150	1,00	3,06
110	1123	165	0,90	3,06
115	1169	173	0,90	3,06
120	1220	180	0,80	2,55
125	1280	188	0,75	2,55
130	1331	195	0,70	2,14
140	1363	210	0,55	2,14
150	1460	225	0,50	2,04
160	1557	240	0,48	2,04
170	1652	255	0,45	1,53
175	1700	263	0,45	1,53
180	1749	270	0,40	1,53
200	1941	300	0,35	1,22
215	2709	315	0,33	1,22
225	2835	338	0,30	1,22
250	3150	375	0,25	1,02
275	3465	415	0,23	1,02
300	3780	450	0,20	0,92
315	3969	485	0,18	0,92
325	4095	510	0,16	0,92
350	4410	525	0,15	0,92
375	4725	570	0,12	0,82
400	5050	600	0,10	0,82
450	6710	675	0,08	0,61
500	7211	750	0,05	0,41
550	7922	825	0,04	0,31
600	9948	900	0,06	0,41
650	10780	975	0,05	0,41
710	11600	1065	0,04	0,31

ATAG reserves the right to make changes without notice, by virtue of any quality improvements and/or product specifications - ott_17 rbd