



Abrasive products



Antistatic
Conductive
Atex

A-FLEX PU19

Properties

- extremely abrasion resistant by selective reinforcement below the spiral
- long service life
- nearly smooth inside
- optimum flow characteristics
- good flexibility
- high tensile and burst strength
- high vacuum and pressure rating
- gas tight
- free of plastizisers
- free of halogens
- good chemical resistance
- resistant to oil and fuels
- generally good UV and ozone resistance
- acc. to TRGS 727 (zone 20) for flammable dust/bulk solids for conducting electrostatic charges when earthed at both ends of the spiral
- RoHS compliant
- antistatic, surface resistance $R < 10^9 \text{ Ohm}$
- hardly inflammable acc. to DIN 4102 B1
- microbe-resistant

Applications

- suction and transport hose for extremely abrasive bulk and solids
- flat roof graveling
- for silo trucks and loading equipment
- transport hose for difficult materials, such as sand, gravel, grain
- for highest demands of service life and abrasion resistance

Construction

- hose wall: 100% polyester polyurethane (in comparison with polyether polyurethane more abrasion resistant, acc. to DIN ISO 4649)
- spiral: spring steel wire



Code - A8PUMHX....

Base Material - PU

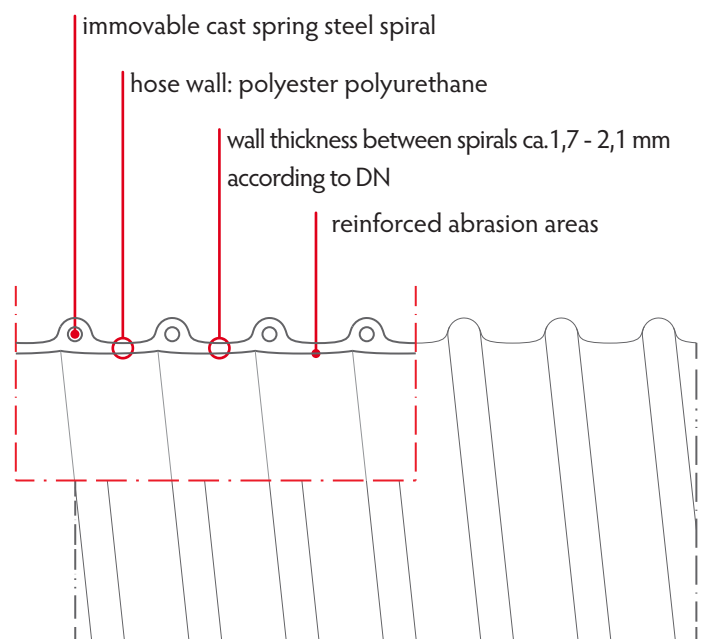
Operating Temperature - $-40 \div +90$ / peaks $+125 \text{ }^\circ\text{C}$

Pressure - $0,60 \div 4,85 \text{ bar}$

Vacuum - $4,32 \div 9,60 \text{ mth20}$

Diameter Range - $32 \div 300 \text{ mm}$

Key feature - Transparent, Spiral hose,
Antistatic, Microbe-resistant





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Atex**A-FLEX PU19****Standard production**

- diameter 32÷300
- colour: clear
- production lengths DN 32÷200:
10 m and 15 m
- production lengths from DN 225:
10 m

Available on request

- coloured
- with overprint
- special lengths
- special diameters

inner Ø	working pressure	vacuum	bending radius	outer Ø	weight
mm	bar	mtH2O	mm	mm	kg/m
32	4,850	9,60	80	42	0,66
38	4,390	9,60	95	48	0,78
40	4,270	9,60	100	50	0,83
45	4,100	9,60	115	55	0,92
50	4,000	9,60	125	61	1,04
55	3,750	9,10	140	65	1,10
60	3,600	9,10	150	70	1,20
65	3,300	9,10	165	75	1,29
70	3,150	9,10	175	80	1,38
75	2,920	9,10	190	87	1,50
80	2,770	9,10	200	93	1,93
90	2,400	9,10	225	103	2,16
100	2,100	8,90	250	115	2,60
110	1,950	8,90	275	124	2,82
115	1,800	8,90	290	129	2,94
120	1,650	8,90	300	134	3,07
125	1,650	8,90	315	140	3,44
130	1,650	8,55	325	143	3,54
140	1,500	8,46	350	153	3,81
150	1,500	8,37	450	167	4,13
160	1,350	8,28	500	175	4,81
170	1,200	8,19	600	185	5,10
175	1,200	8,10	650	190	5,25
180	1,200	7,83	700	195	5,40
200	1,050	6,75	950	220	6,43
225	0,900	5,94	1150	241	7,11
250	0,900	5,22	1300	267	7,91
275	0,750	4,77	1450	292	8,68
300	0,600	4,32	1600	317	9,45

ATAG reserves the right to make changes without notice, by virtue of any quality improvements and/or product specifications • ott_17_rdb