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8 Flexible Hoses



Abrasive Products

Silica sands, Powders, Concrete, Granulates, Wood and metal shavings, Gravels, Foodstuff powders

AK-FLEX PU5

Properties

- utilization of a polyurethane profile gives to the hose an excellent tear resistance (seven times more than PVC)
- excellent flexibility and elasticity even at low temperatures
- axial compression 4,5:1
- excellent resistance to oils, fats and several solvents
- good resistance to chemical agents
- 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.



Applications

- suction of granules, salt, cement
- shavings and wood powder suction
- suction of generally light solid materials
- suction of gasoline fumes and oils
- pneumatic transport of textile fibres, paper and plastic cuttings
- ceramics industries
- suction touching sea water

Code - AK8G21

Base Material - PU

Operating Temperature - -40 ÷ +100 °C

Pressure - 0,01 ÷ 0,50 bar

Vacuum - 0,10 ÷ 2,55 mtH2O

Diameter Range - 40 ÷ 500 mm

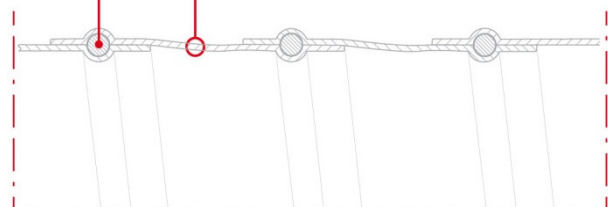
Key Feature - Transparent, Spiral hose

Construction

- sheet of polyurethane polyester and a coppered armonic steel wire helix embodied into the sheet layers

coppered armonic steel wire helix embodied into the sheet layers

wall in polyurethane polyester





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Standard production

- diameters: 40 ÷ 500 mm
- colour: transparent with copper coloured helix
- production lengths: 10 m

Available on request

- special lengths up to ca. 20 m

inner Ø	weight	bending radius	working pressure	vacuum
<i>mm</i>	<i>g/m</i>	<i>mm</i>	<i>bar</i>	<i>mH₂O</i>
40	225	40	0,50	2,55
50	215	50	0,40	2,04
55	235	55	0,40	1,63
60	255	60	0,40	1,63
70	350	70	0,35	1,43
75	375	75	0,30	1,02
80	400	80	0,27	1,02
90	470	85	0,23	0,92
100	525	90	0,20	0,92
110	575	100	0,20	0,92
120	625	105	0,20	0,82
125	650	107	0,20	0,82
130	675	110	0,18	0,82
140	725	120	0,15	0,61
150	780	130	0,11	0,61
160	930	140	0,10	0,61
170	985	145	0,09	0,51
175	1010	150	0,09	0,51
180	1045	155	0,09	0,51
200	1155	160	0,08	0,51
220	1275	170	0,07	0,51
250	1420	190	0,05	0,41
280	1565	200	0,04	0,41
300	1700	220	0,03	0,31
315	1785	230	0,03	0,31
325	1840	235	0,03	0,31
350	1980	250	0,03	0,31
375	2125	265	0,02	0,20
400	2260	280	0,02	0,20
450	2860	340	0,01	0,10
500	3175	400	0,01	0,10