

PU-W

Air extraction hose

SYNTHETIC DUCTING

PU-W: Air extraction hose, light weight.

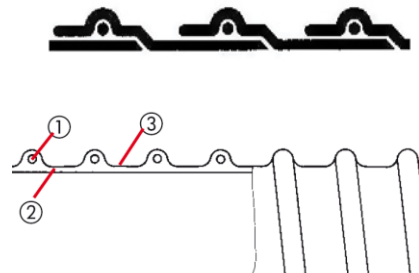
Pure polyester polyurethane (according to DIN 53 516 more resistant to wear than comparable polyether polyurethane)
Spiral coil: spring steel helix wire

APPLICATIONS

- extraction and transport hose for solids causing wear.
- gaseous and liquid mediums
- extraction of paper and textile fibres
- transport of fine grained particles such as dust and powder
- extraction of oil mists
- protection hose against mechanical loads

CONSTRUCTION

- 1/ Spring steel Helix
- 2/ Wall: Polyester polyurethane
- 3/ Wall thickness between the windings ca. 0.5 (mm)



SPECIFICATIONS

Article code:	PUW{Ø}/{L}
Temperature range:	-40 °C to 90 °C
Bending radius:	min. 1 x Ø
Standard diameter range:	76 – 635 mm
Wire distance:	25 mm
Standard length:	6 and 10 mtr
Appearance:	Blanc

Int. Ø = D	Tol.	Ext. Ø = D	Tol.	Weight	Max. neg. pressure
mm	mm	mm	mm	gr/m	mbar
76	+3/0	80	+4/0	410	320
82	+3/0	86	+4/0	441	316
90	+3/0	94	+4/0	483	312
102	+3/0	107	+4/0	559	306
112	+3/0	117	+4/0	611	301
120	+3/0	125	+4/0	653	298
127	+3/0	132	+4/0	690	296
133	+3/0	138	+4/0	721	293
140	+3/0	145	+4/0	758	291
152	+3/0	157	+4/0	821	288
165	+3/0	170	+4/0	889	284
185	+4/0	190	+6/0	994	279
203	+4/0	209	+6/0	1089	275
229	+4/0	233	+6/0	1225	270
254	+4/0	258	+6/0	1357	266
280	+4/0	284	+6/0	1493	250
305	+6/0	309	+9/0	2020	250
315	+6/0	319	+9/0	2085	240
356	+6/0	360	+9/0	2352	230
406	+6/0	413	+9/0	2683	220
457	+6/0	464	+9/0	3020	200
508	+9/0	515	+11/0	3357	190
560	+9/0	567	+11/0	3700	180
610	+9/0	617	+11/0	4031	160
635	+9/0	642	+11/0	4196	150

PROPERTIES

- extremely wear resistant
- oil and petrol resistant
- gas proof
- good resistance against chemicals
- halogen free
- does not contain plasticizers/softeners
- in general, good UV and ozone resistance
- light weight
- extremely flexible
- smallest bending radius
- high tensile strength and resistance to cracking
- inside largely smooth
- technically optimal flow
- in accordance with RoHS

LIABILITY:

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PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

TRADEMARKS:

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RESTRICTIONS:

The PU ducts are not suitable for discharging combustion products from open fireplaces and oil-fired boilers. Neither are the ducts suitable for transporting air with a high concentration of acid and base.