



n.v. P. Boonen & C° s.a.
Rubber Products - Hoses - Couplings - Floorcoverings

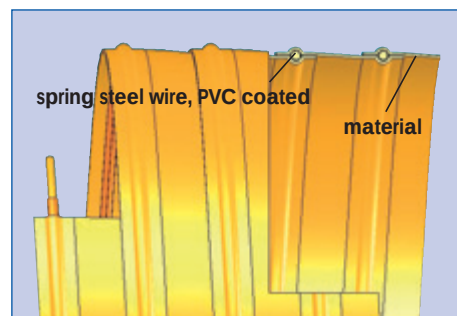
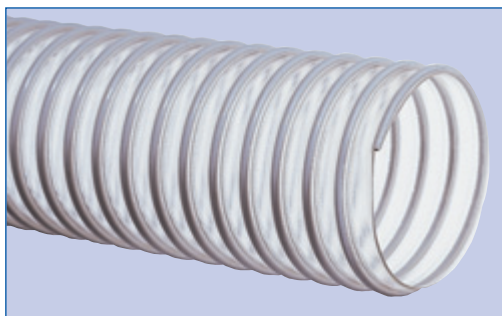
POLYURETHANE HOSES



Industrieterrein "Krekelenberg" - Tunnelweg 14
2845 Niel - Belgium
Tel. 32 (0)3.844.25.29 - Fax. 32 (0)3.844.31.40
info@boonenp.be - www.boonenp.be

FLEXADUX P 1 N PU

Light weight and very flexible Polyurethane ducting



Material:
Polyester-Polyurethane

Colour:
Clear

Single Length:
10 and 15 m

Temperature Resistance:
- 40° up to + 100°C

Applications:
Suction and transport of light weight materials (dusts, splinters and fibres) in food, paper, woodworking and textile industry.

Properties:
Excellent flexibility, high abrasion resistance, good resistance to oil and petrol fumes.

Special Constructions:

- P1NPU AE - Polyether-Polyurethane, resistant to hydrolysis and microbes
- P1NPU AS - antistatic ($R < 10^8$ Ohm)
- P1NPU SAM - conductive ($R < 10^4$ Ohm)
- P1NPU SE-A - flame retardant according to DIN 4102 B1

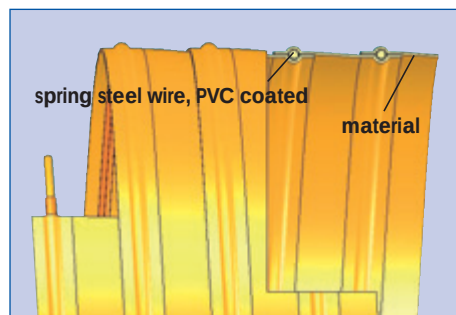
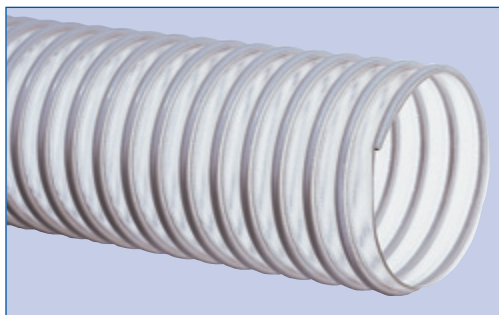
Technical data 1.3

Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
13	0,07	13	2,00	0,50
20	0,11	20	1,80	0,45
25	0,16	25	1,65	0,40
30	0,18	30	1,50	0,35
40	0,22	40	1,40	0,30
50	0,27	50	1,30	0,28
60	0,47	60	1,10	0,25
70	0,53	70	0,90	0,22
75	0,59	75	0,80	0,20
80	0,65	80	0,70	0,18
100	0,79	100	0,60	0,15
120	0,85	120	0,50	0,15
125	0,98	125	0,40	0,12
140	1,05	140	0,30	0,12
150	1,18	150	0,25	0,10
170	1,45	175	0,25	0,10
200	1,67	200	0,20	0,09
225	1,88	225	0,20	0,09
250	2,05	250	0,15	0,06
300	2,45	300	0,12	0,06
350	2,85	350	0,10	0,04
400	3,25	400	0,08	0,02

Further diameters available upon request.
Technical data are based on +20° C.

FLEXADUX P 1 V PU

Medium weight and flexible Polyurethane ducting



Material:
Polyester-Polyurethane

Colour:
Clear

Single Length:
10 and 15 m

Temperature Resistance:
- 40° up to + 100°C

Applications:
Suction and conveyance of abrasive materials, industrial vacuum cleaners, sweepers, lawn mowers.

Properties:
Good flexibility, high abrasion resistance, smooth bore, good resistance to oil and petrol fumes.

Special Constructions:
P1VPU AE - Polyether-Polyurethane, resistance to hydrolysis and microbes
P1VPU AS - antistatic ($R < 10^8$ Ohm)

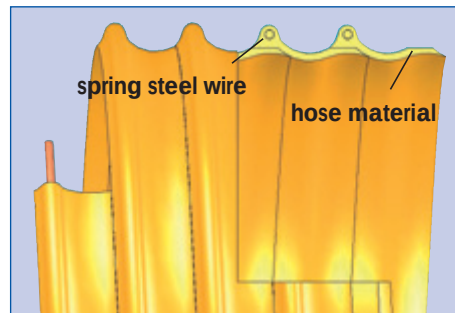
Technical data 1.5

Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
13	0,1	19	3,00	0,60
20	0,16	30	2,50	0,50
25	0,24	38	2,10	0,50
30	0,29	45	1,80	0,40
40	0,45	60	1,50	0,35
50	0,55	75	1,40	0,30
60	0,61	90	1,30	0,25
70	0,72	105	1,10	0,25
75	0,77	112	1,00	0,22
80	0,82	120	0,80	0,20
100	1,20	150	0,70	0,17
120	1,42	180	0,60	0,17
125	1,51	188	0,50	0,15
140	1,52	210	0,40	0,15
150	1,54	225	0,30	0,12
175	1,79	265	0,30	0,12
200	2,05	300	0,25	0,10
250	2,56	375	0,20	0,10
300	3,07	450	0,15	0,08
350	3,55	525	0,12	0,08
400	4,10	600	0,10	0,05

Further diameters available upon request.
Technical data are based on +20° C.

FLEXADUX P 1 V PU SE-A

Medium weight and flexible Polyurethane ducting



Material:
Polyester-Polyurethane, 0,7 mm.

Colour:
Clear.

Single Length:
10 and 15 m.

Temperature Resistance:
- 40° up to + 100°C

Applications:
Suction of abrasive particles, e.g. wooden splinters and chips in woodworking industries.

Properties:
Flame retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, very good flexibility even at low temperatures, very smooth bore.

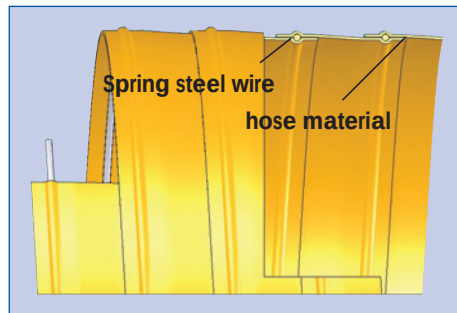
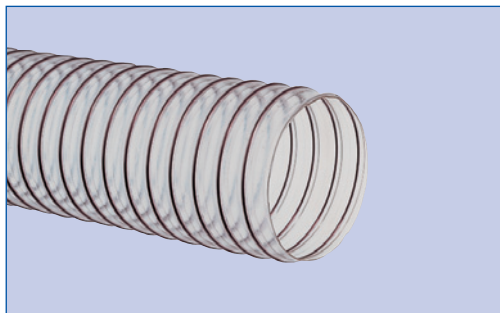
Technical data 4.2

Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
40	0,40	40	1,15	0,40
50	0,45	50	1,00	0,25
60	0,48	60	1,00	0,25
80	0,65	80	0,80	0,20
100	0,84	100	0,60	0,18
120	0,95	120	0,50	0,15
140	1,06	140	0,40	0,10
150	1,12	150	0,38	0,10
160	1,20	160	0,35	0,08
180	1,45	180	0,30	0,07
200	1,50	200	0,25	0,05
215	1,76	215	0,25	0,05
225	1,85	225	0,20	0,04
250	1,93	250	0,20	0,04
300	2,31	300	0,15	0,02

Further diameters available upon request.
Technical data are based on +20° C.

FLEXADUX P 1 L PU SE-A

Light weight and very flexible
Polyurethane ducting, flame retardant



Technical data 2.7

Material:

Polyester-Polyurethane, 0,4 mm.

Colour:

Clear.

Single Length:

6, 10 and 15 m.

Temperature Resistance:

- 40° up to + 100°C

Applications:

Suction of dust and small particles in woodworking industries.

Properties:

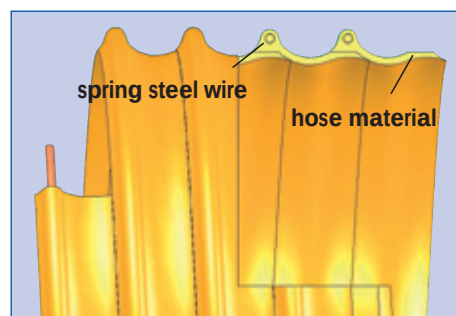
Flame retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, good flexibility even at low temperatures.

Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
40	0,23	28	0,50	0,25
50	0,29	35	0,40	0,20
60	0,34	42	0,40	0,16
80	0,46	56	0,27	0,10
100	0,52	70	0,20	0,09
120	0,61	88	0,20	0,08
140	0,66	92	0,15	0,08
150	0,78	105	0,10	0,07
160	0,85	114	0,09	0,06
180	0,95	128	0,09	0,06
200	1,02	140	0,08	0,05
215	1,14	185	0,07	0,05
225	1,20	200	0,06	0,04
250	1,28	175	0,05	0,04
300	1,54	210	0,03	0,03
400	2,05	280	0,01	0,0
500	2,56	350	0,01	0,01

Further diameters available upon request.
 Technical data are based on +20° C.

FLEXADUX P 1 S PU SE-A

Medium weight and flexible Polyurethane ducting



Material:
Polyester-Polyurethane.

Colour:
Clear.

Single Length:
10 and 15 m.

Temperature Resistance:
- 40° up to + 100°C

Applications:
Suction of abrasive particles, e.g. wooden splinters and chips in woodworking industries.

Properties:
Flame retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGR 132 by grounding the wire.

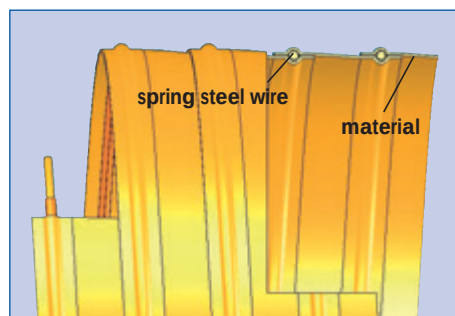
Technical data 4.3

Dia. mm	Weight kg/m	Mat. Thickness mm	Bend. Rad. mm	Max. Work. Press. Bar	Max. Vacuum bar
40	0,42	0,9	46	1,20	0,40
50	0,48	0,9	55	1,15	0,25
60	0,54	0,9	65	1,10	0,25
80	0,72	0,9	85	1,00	0,20
100	1,02	0,9	106	0,65	0,18
120	1,15	0,9	126	0,60	0,15
140	1,25	0,9	146	0,50	0,10
150	1,32	0,9	158	0,40	0,10
160	1,41	0,9	168	0,35	0,08
180	1,75	0,9	188	0,30	0,07
200	1,94	0,9	208	0,25	0,05
215	2,08	0,9	224	0,25	0,05
225	2,18	0,9	232	0,20	0,04
250	2,42	0,9	260	0,20	0,04
300	3,15	0,9	310	0,15	0,02

Further diameters available upon request.
Technical data are based on +20° C.

FLEXADUX P 1 N PU SE-A

Light weight and flexible Polyurethane ducting



Technical data 1.4

Material:
Polyester-Polyurethane.

Colour:
Clear.

Single Length:
10 and 15 m.

Temperature Resistance:
- 40° up to + 100°C

Applications:
Suction of dust and particles in
woodworking industries.

Properties:
Flame retardant according to
DIN 4102 B1, excellent abrasion
resistance, good oil and petrol
resistance, very good flexibility
even at low temperatures,
smooth bore.

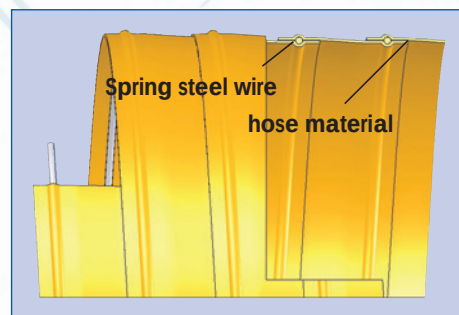
Special Constructions:
P 1 N PU AE SE-A - additionally
resistant to hydrolysis and
microbes.

Dia. mm	Weight kg/m	Mat. Thickness mm	Bend. Rad. mm	Max. Work. Press. Bar	Max. Vacuum bar
20	0,14	0,5	20	1,90	0,55
25	0,17	0,5	25	1,70	0,45
30	0,19	0,5	30	1,65	0,45
32	0,20	0,5	32	1,60	0,42
38	0,23	0,5	38	1,50	0,30
40	0,25	0,5	40	1,40	0,30
50	0,31	0,5	50	1,30	0,28
60	0,52	0,6	60	1,10	0,25
75	0,65	0,6	75	0,80	0,20
80	0,68	0,6	80	0,80	0,20
90	0,73	0,6	90	0,70	0,16
100	0,83	0,6	100	0,60	0,15
110	0,92	0,6	110	0,50	0,14
120	0,95	0,6	120	0,45	0,14
125	1,03	0,6	125	0,40	0,12
140	1,12	0,6	140	0,30	0,12
150	1,24	0,6	150	0,25	0,10
160	1,25	0,6	160	0,22	0,10
180	1,51	0,6	180	0,22	0,10
200	1,68	0,6	200	0,20	0,09
215	1,81	0,6	215	0,20	0,09
225	1,90	0,6	225	0,15	0,09
250	1,97	0,6	250	0,15	0,08
300	2,36	0,6	300	0,12	0,06
350	2,75	0,6	350	0,10	0,04
400	3,14	0,6	400	0,08	0,02

Further diameters available upon request.
Technical data are based on +20° C.

FLEXADUX P 2 PU

**Light weight and very flexible
Polyurethane ducting**



Material:

Polyester-Polyurethane.

Colour:

Clear.

Single Length:

6, 10 and 15 m.

Temperature Resistance:

- 40° up to + 100°C

Applications:

Suction of air, dust, oil- and petrol fumes, suitable for applications in food and pharmaceutical industry.

Properties:

Excellent flexibility, good abrasion resistance, good compressibility, excellent resistance to oil- and petrol fumes.

Special Constructions:

P 2 PU AE - Polyether-Polyurethane, resistant to hydrolysis and microbes

P 2 PU AS - antistatic (R<10⁸Ohm)

P 1 L PU SE-A - flame retardant according to DIN 4102 B1

Technical data 2.6

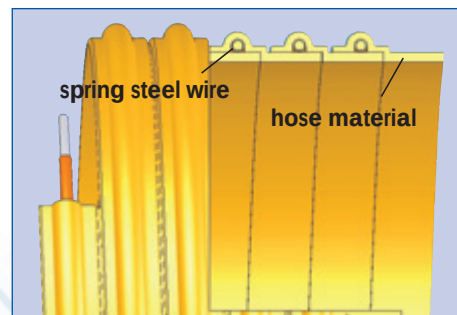
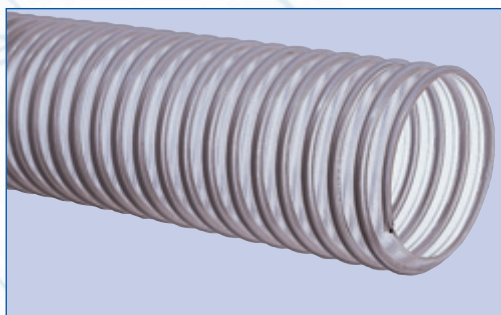
Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
25	0,13	18	0,65	0,30
30	0,17	21	0,60	0,30
40	0,23	28	0,50	0,25
50	0,30	35	0,40	0,20
60	0,34	42	0,40	0,16
70	0,40	49	0,35	0,14
75	0,43	53	0,30	0,10
80	0,46	56	0,28	0,10
100	0,51	70	0,20	0,09
120	0,60	85	0,20	0,08
125	0,65	88	0,20	0,08
140	0,71	95	0,15	0,06
150	0,78	105	0,10	0,06
175	0,90	123	0,09	0,05
200	1,05	140	0,08	0,05
250	1,25	175	0,05	0,04
300	1,55	210	0,03	0,03
350	1,80	245	0,02	0,02
400	2,10	280	0,02	0,02
450	2,35	315	0,01	0,01
500	2,62	350	0,01	0,01

Further diameters available upon request.

Technical data are based on +20° C.

FLEXADUX P 3 PU

Medium weight and flexible Polyurethane ducting



Material:

Polyester-Polyurethane.

Colour:

Clear.

Single Length:

10 and 15 m.

Temperature Resistance:

- 40° up to + 100°C

Applications:

Suction of abrasive materials,
transport of granules.

Properties:

Solid construction good oil
resistance, excellent abrasion
resistance, smooth bore.

Special Constructions:

P 2 PU AE - Polyether-
Polyurethane,
resistant to
hydrolysis and
microbes

P 2 PU AS - antistatic
($R < 10^8 \Omega \text{m}$)

P 1 L PU SE-A - static conductive
($R < 10^4 \Omega \text{m}$)

Technical data 3.5

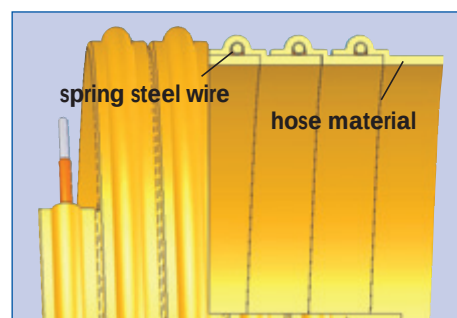
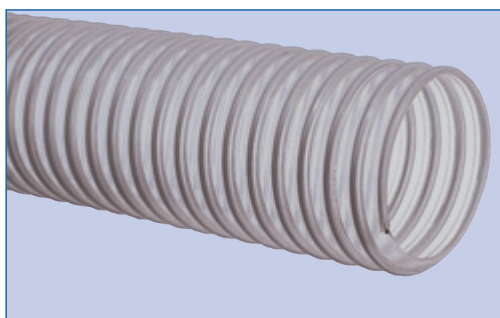
Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
20	0,17	30	2,30	0,70
30	0,25	45	2,10	0,50
40	0,35	60	2,00	0,45
50	0,44	75	1,80	0,40
60	0,53	90	1,60	0,35
70	0,61	105	1,50	0,35
80	0,67	120	1,20	0,30
100	1,02	150	1,00	0,30
120	1,22	180	0,80	0,25
125	1,28	185	0,75	0,25
150	1,46	225	0,50	0,20
175	1,70	260	0,45	0,15
200	1,94	300	0,35	0,12
250	3,15	375	0,25	0,10
300	3,78	450	0,20	0,09
350	4,41	525	0,15	0,09
400	5,05	600	0,10	0,08
450	6,71	675	0,08	0,06
500	7,20	750	0,05	0,04

Further diameters available upon request.

Technical data are based on +20° C.

FLEXADUX P 3 V PU

Heavy weight Polyurethane ducting



Technical data 3.6

Material:
Polyester-Polyurethane.

Colour:
Clear.

Single Length:
10 and 15 m.

Temperature Resistance:
- 40° up to + 100°C

Applications:
Conveyance of abrasive materials, e.g. metal splinters, granules, gravel, grain of sand.

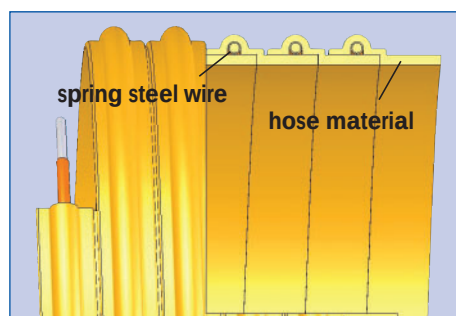
Properties:
Excellent abrasion resistance, smooth bore, solid construction.

Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
40	0,71	180	3,20	0,90
50	0,90	225	3,00	0,90
60	1,15	270	2,80	0,90
70	1,34	315	2,50	0,90
75	1,44	340	2,20	0,88
80	1,54	360	2,00	0,85
100	2,40	450	1,50	0,80
110	2,68	495	1,40	0,77
120	2,92	540	1,30	0,73
125	3,05	570	1,20	0,70
150	4,60	685	1,00	0,60
175	5,38	765	0,88	0,54
200	6,15	900	0,80	0,47

Further diameters available upon request.
Technical data are based on +20° C.

FLEXADUX P 3 S PU

Flexible and very heavy weight Polyurethane ducting



Material:

Polyester-Polyurethane.

Colour:

Clear.

Single Length:

10 and 15 m.

Temperature Resistance:

- 40° up to + 100°C

Applications:

Suction and transport of abrasive materials e.g. sand, gravel, grain and other bulk stuff.

Properties:

Excellent abrasion and vacuum resistance, good resistance to oils and petrols, very smooth bore.

Special Constructions:

P 3 S PU AE - resistance to hydrolysis and microbes, non toxic, food proved according to FDA and EU regulations.

P 3 S PU AS - antistatic (R<10°Ohm)

Technical data 3.7

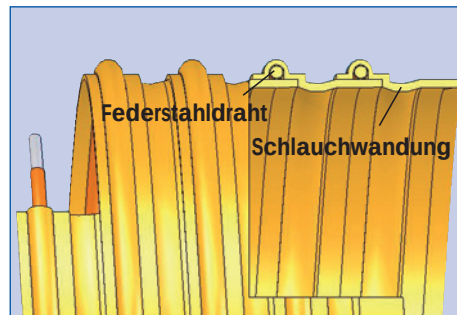
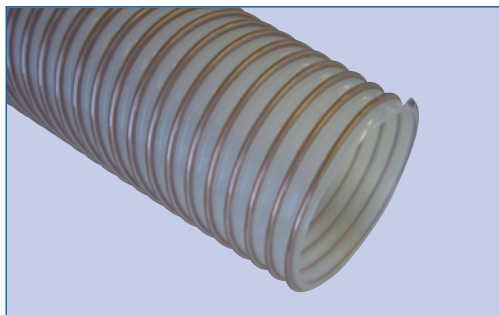
Dia. mm	Weight kg/m	Mat. Thickness mm	Bend. Rad. mm	Max. Work. Press. Bar	Max. Vacuum bar
30	0,61	2,0	130	4,60	0,95
40	0,76	2,0	160	4,20	0,95
50	1,00	2,0	200	3,80	0,95
60	1,32	2,0	240	3,30	0,95
75	1,51	2,0	300	2,70	0,95
80	1,61	2,0	320	2,40	0,90
90	1,81	2,0	360	2,10	0,90
100	2,13	2,0	400	1,90	0,90
125	2,56	2,0	500	1,45	0,90
150	4,08	2,0	600	1,25	0,85
200	5,45	2,0	800	0,95	0,85

Further diameters available upon request.

Technical data are based on +20° C.

FLEXADUX P 3 SV PU

Heavy weight Polyurethane ducting



Material:
Polyester-Polyurethane.

Colour:
Clear.

Single Length:
10 m.

Temperature Resistance:
- 40° up to + 100°C

Applications:
Suction and transport of abrasive materials e.g. sand, pebbles, grain or other bulk stuff. Conveying of roof gravel or substratum, as head hose for suction trucks, in agriculture, for silo loading.

Properties:
Excellent abrasion and vacuum resistance, good resistance to oils and petrol fumes, very smooth bore, good flexibility.

Special Constructions:
P 3 SV PU AE - resistance to hydrolysis and microbes, non toxic, food prooved according to FDA and EU regulations.
P 3 SV PU AS - antistatic ($R < 10^8 \text{ Ohm}$)

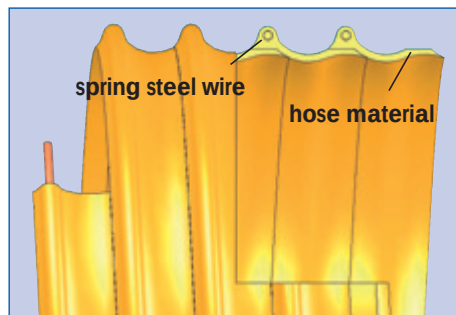
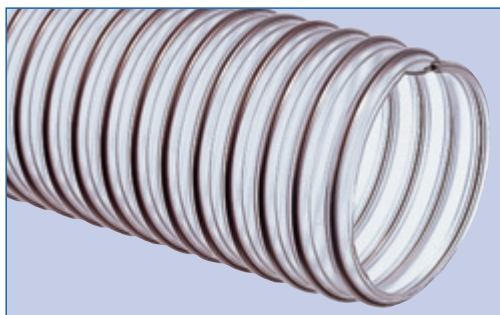
Technical data 3.8

Dia. mm	Weight kg/m	Mat. Thickness mm	Bend. Rad. mm	Max. Work. Press. Bar	Max. Vacuum bar
50	1,35	2,5	125	3,25	0,85
75	1,95	2,5	190	2,50	0,80
100	2,59	2,5	250	1,65	0,70
125	3,15	2,5	312	1,40	0,65
150	3,72	2,5	375	1,15	0,55

Further diameters available upon request.
Technical data are based on +20° C.

FLEXADUX P 7 L PU

Heavy weight Polyurethane ducting



Material:

Polyurethane, thickness 0,7 mm.

Colour:

Clear.

Single Length:

10 and 15 m.

Temperature Resistance:

- 40° up to + 100°C

Applications:

Suction and conveying of abrasive particles or granules.

Quality:

Very smooth bore, good abrasion resistance, resistance to oil and petrols, non toxic, free of halogen and softeners.

Special Constructions:

available upon request

P 1 V PU SE-A - flame retardant according to DIN 4102 B1.

Technical data 4.1

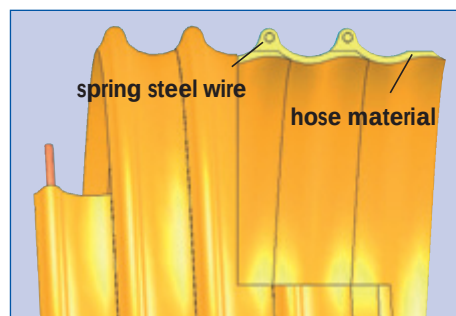
Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
40	0,40	40	1,15	0,40
50	0,45	50	1,00	0,25
60	0,48	60	1,00	0,25
80	0,65	80	0,80	0,20
100	0,84	100	0,60	0,18
120	0,95	120	0,50	0,15
140	1,06	140	0,40	0,10
150	1,12	150	0,38	0,10
160	1,20	160	0,35	0,08
180	1,45	180	0,30	0,07
200	1,50	200	0,25	0,05
215	1,76	215	0,25	0,05
225	1,85	225	0,20	0,04
250	1,93	250	0,20	0,04
300	2,31	300	0,15	0,02

Further diameters available upon request.

Technical data are based on +20° C.

FLEXADUX P 7 N PU

Heavy weight and flexible Polyurethane ducting


Material:

Polyurethane, thickness 1,4 mm.

Colour:

Clear.

Single Length:

10 and 15 m.

Temperature Resistance:

- 40° up to + 100°C

Applications:

Suction and discharging of abrasive materials.

Quality:

Very smooth bore, excellent abrasion resistance, resistance to oil and petrols, non toxic, free of halogen and softeners.

**Special Constructions:
available upon request**

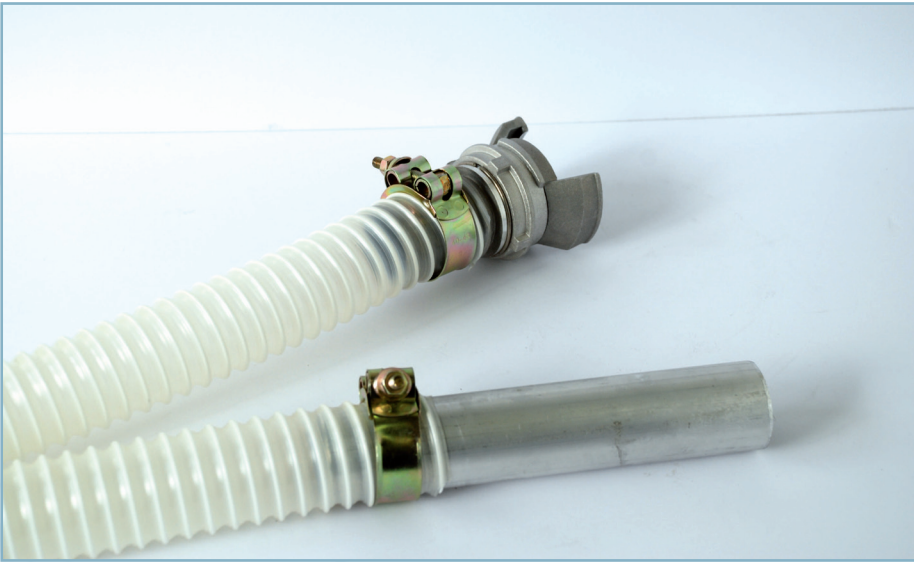
- P 7 N PU AE - resistant to hydrolyses and microbes
P 7 N PU AS - antistatic ($R < 10^8$ Ohm).

Technical data 4.3

Dia. Mm	Weight Kg/m	Bend. Rad. Mm	Max. Work. Press. Bar	Max. Vacuum bar
32	0,38	48	3,00	0,90
35	0,45	53	2,60	0,80
38	0,52	57	2,40	0,75
40	0,56	60	2,30	0,70
50	0,67	75	1,90	0,60
60	0,79	90	1,80	0,55
75	0,98	113	1,20	0,50
80	1,09	120	1,20	0,45
90	1,23	135	1,10	0,45
100	1,36	150	1,10	0,40
110	1,38	165	1,00	0,35
120	1,42	180	0,90	0,30
125	1,54	188	0,80	0,25
140	1,75	210	0,70	0,20
150	1,82	225	0,70	0,20
160	2,15	240	0,60	0,20
180	2,55	270	0,50	0,15
200	2,92	300	0,50	0,15
225	3,25	338	0,40	0,10
250	3,57	375	0,30	0,10
300	4,31	450	0,30	0,10

Further diameters available upon request.

Technical data are based on +20° C.





P. Boonen & Co n.v. werd opgericht in 1987.

ONZE DOELSTELLING:

Fabricatie van geconfectioneerde rubberstukken en algemene rubberstukken
Ontwerp en verkoop van flexibele leidingen en compensatoren
Fabricatie en plaatsing van inkommaten en antislipmaten, voornamelijk in rubber

P. Boonen zorgt voor een permanente kwaliteitsverbetering en klantvriendelijke service. Ook wordt er efficiënt ingespeeld op de vragen van de klant. Advies, research en technische bijstand leiden tot een vlotte samenwerking bij het ontwikkelen van nieuwe producten en het verbeteren van bestaande producten.



s.a. P. Boonen & Cy a été fondé en 1987.

NOTRE OBJECTIF:

Fabrication de pièces moulées et pièces manufacturées en caoutchouc
Etude et réalisation de tuyaux flexibles et compensateurs
Fabrication et placement de tapis d'entrées et recouvrements de sol anti-dérapants en caoutchouc

P. Boonen & Cy s'efforcent d'améliorer en permanence la qualité et le service aux clients. La recherche, les recommandations et l'assistance technique aident à réaliser une bonne collaboration pour le développement et la mise au point de nouveaux produits.

n.v. P. Boonen & C° s.a.

Industrieterrein "Krekelenberg" - Tunnelweg 14
2845 Niel - Belgium
Tel. 32 (0)3.844.25.29 - Fax. 32 (0)3.844.31.40
info@boonenp.be - www.boonenp.be