



P70/PU Ether Base

Flexible hose made of a polyurethane (PU) sheet (th. 0.45 mm) and embedded copper steel wire helix with thick pitch. The main characteristic of this hose is its great resistance to abrasion and cutting (5-6 times higher than rubber and 7 times higher than PVC). Great flexibility and compressibility.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	AXIAL COMPRESSIBILITY
Transparent (Blue on request)	10 m standard (coils of 15m and 20m up to ø 200 mm on request)	from 40 to 500 mm	-40°C +90°C (peak +125°C)	5:1

PRODUCTION DIAMETERS

40	45*	50	55*	60	65*	70	75*	80	90	100	110	120	125	130
140	150	160	170	180	200	225*	250	275	300	350	400	450	500	

*Diameters available on request.
Diameters other than those indicated are available by prior feasibility check.

MAIN APPLICATIONS

Suction of chips, wood and other material, dust, pneumatic conveyance of textile fibres, paper etc.

MAINTENANCE

Periodically check the state of wear of the hose and immediately replace it if damaged or broken. Pay maximum attention to the duct operating temperatures.

TECHNICAL DATA

DIAMETERS	OPERATING PRESSURE	OPERATING VACUUM	INSIDE CURVATURE RADIUS	WEIGHT
[mm]	[bar]	[bar]	[mm]	[gr/m]
40	0,50	0,25	28	228
50	0,40	0,20	35	295
60	0,40	0,16	42	342
70	0,35	0,14	49	399
80	0,28	0,10	56	456
100	0,20	0,09	70	515

DIAMETERS	OPERATING PRESSURE	OPERATING VACUUM	INSIDE CURVATURE RADIUS	WEIGHT
[mm]	[bar]	[bar]	[mm]	[gr/m]
120	0,20	0,08	80	610
130	0,20	0,08	90	684
150	0,10	0,06	105	772
160	0,10	0,06	110	850
180	0,09	0,05	128	935
200	0,08	0,05	140	1024
250	0,05	0,04	175	1280
300	0,03	0,03	210	1540
350	0,02	0,02	245	2340
400	0,02	0,02	280	2630
450	0,01	0,01	315	2960
500	0,01	0,01	350	3290

Data given in this table are approximate. * Pressure and vacuum data based on +20°C room temperature.

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APPLICATIONS

OEM	Flexibility	Easy Pack	Abrasion Resistance	Calibrated diameters*	Compact version*	Industry	Non-magnetic*	Extractor Hoods

*on request

WIRE OPTIONS	ADDITIVE OPTIONS	SERVICE OPTIONS
LZ galvanized wire	AB antibacterial	CT translucent color
AM non-magnetic inox wire	AL FDA food grade	CC covering color
	AS antistatic $R \leq 10^8 \Omega$	MP customized marking
	FR flame retardant DIN 4102 - cl. B1	
	EL conductive ether $R \leq 10^4 \Omega$	