



P80/PU Ester Base

Flexible hose made of a polyurethane (PU) sheet (th. 0.60 mm) and embedded copper steel wire helix. 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).

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	AXIAL COMPRESSIBILITY
Transparent (Blue/black on req.)	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)	3:1

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	0,70	0,35	25	270
50	0,60	0,30	30	340
60	0,50	0,25	40	420
70	0,45	0,22	45	480
80	0,40	0,15	50	550
100	0,30	0,14	65	680

DIAMETERS	OPERATING PRESSURE	OPERATING VACUUM	INSIDE CURVATURE RADIUS	WEIGHT
[mm]	[bar]	[bar]	[mm]	[gr/m]
120	0,25	0,12	75	770
130	0,25	0,10	85	910
150	0,15	0,08	100	1050
160	0,15	0,08	105	1120
180	0,12	0,06	120	1200
200	0,10	0,06	130	1370
250	0,06	0,04	165	1660
300	0,04	0,03	200	2050
350	0,03	0,02	235	2380
400	0,02	0,02	270	2720
450	0,01	0,01	300	3040
500	0,01	0,01	350	3640

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	Tear Resistance	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	