



P407/PU-LR Ester Base

Flexible hose made of a polyurethane (PU) sheet (th. 0.40 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	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	50	60	63*	70	76*	80	90	100	110*	120	125	130	140
150	160	170	180	200	225*	250	275*	300	315	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	215
50	0,40	0,20	35	280
60	0,40	0,16	42	325
70	0,35	0,14	49	380
80	0,28	0,10	56	430
100	0,20	0,09	70	490

DIAMETERS	OPERATING PRESSURE	OPERATING VACUUM	INSIDE CURVATURE RADIUS	WEIGHT
[mm]	[bar]	[bar]	[mm]	[gr/m]
120	0,20	0,08	80	580
130	0,20	0,08	90	650
150	0,10	0,06	105	735
160	0,10	0,06	110	795
180	0,09	0,05	128	895
200	0,08	0,05	140	980
250	0,05	0,04	175	1215
300	0,03	0,03	210	1465
350	0,02	0,02	245	1700
400	0,02	0,02	280	1945
450	0,01	0,01	315	2185
500	0,01	0,01	350	2430

Data given in this table are approximate.

* Pressure and vacuum data based on +20°C room temperature.

GREEN BUILDING

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MATERIALS

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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