



P407/PU-LR **Ether 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

Thanks also to the support of GreenMap, products manufactured by Tecnica srl contribute to obtain the credits of the major international rating systems for sustainable buildings:



LEED

Contributes to credits:
MR



WELL

Contributes to credits:
MATERIALS

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl.

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 |
| | EL conductive ether $R \leq 10^4 \Omega$ | |