



## P405/PU-LR Ester Base

Flexible hose made of a polyurethane (PU) sheet (th. 0.35 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<br>(coils of 15m and 20m up to ø 200 mm on request) | from 40 to 500 mm    | -40°C +90°C<br>(peak +125°C) | 8:1                   |

### 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 |