

HTPE ISOLPLUS HTPE ISOLPLUS Antibacterial, antistatic and insulated HTPE ISOLPLUS corrugated pipe



Description :

Double-walled, circular corrugated pipe in 100% food-grade HDPE with insulation in expanded PE material. Internal antibacterial, antistatic and antifungal treatment of the pipe. Tube with smooth internal surface.

Characteristics :

Internal ripple <5%
Storage temperature -30°C + 60°C
Installation temperature -5°C +60°C

Use:

Controlled mechanical ventilation.
Connection from the distribution boxes to the plenums of the vents and grills.

Technical specifications:

| | | HTPE | |
|---|-------------------|--------------|--------------|
| | | ISOLPLUS 63 | ISOLPLUS 76 |
| External diameter of corrugated pipe WITHOUT insulation | mm | 75 | 90 |
| Internal diameter of the corrugated pipe WITHOUT insulation | mm | 63 | 76 |
| External diameter of corrugated pipe WITH insulation | mm | 87 | 102 |
| Weight | gr/m | 320 | 420 |
| Crushing resistance CEI EN 61386-24 | N | >450 | >450 |
| Crushing resistance EN 17192 | N | >250 | >250 |
| Annular stiffness | SN | >8 | >8 |
| Radius of curvature | mm | 225 | 270 |
| Internal corrugation | - | <5% | <5% |
| Insulating layer density | kg/m ³ | 30 | 30 |
| Thermal conductivity insulating layer | W/mK | 0,036 (10°C) | 0,036 (10°C) |

Pressure drop

| | | HTPE | | |
|---|----------------------------------|-------------------|-------------|-------|
| | | ISOLPLUS 63 | ISOLPLUS 76 | |
| Air flow rate with speed 2 m/s | | m ³ /h | 22,44 | 32,66 |
| Pressure drop 2 m/s | Straight pipe pressure drop (1m) | Pa | 1,04 | 0,99 |
| | Pressure drop 90° curve | Pa | 0,79 | 0,87 |
| | Pressure drop curve 180° | Pa | 1,30 | 1,32 |
| Air flow rate with speed 2.5 m/s | | m ³ /h | 28,06 | 40,83 |
| Pressure drop 2.5 m/s | Straight pipe pressure drop (1m) | Pa | 1,62 | 1,54 |
| | Pressure drop 90° curve | Pa | 1,24 | 1,35 |
| | Pressure drop 180° curve | Pa | 2,03 | 2,07 |
| Air flow rate with speed 3 m/s | | m ³ /h | 33,67 | 48,99 |
| Pressure drop 3 m/s | Straight pipe pressure drop (1m) | Pa | 2,33 | 2,22 |
| | Pressure drop 90° curve | Pa | 1,79 | 1,95 |
| | Pressure drop curve 180° | Pa | 2,93 | 2,98 |

Price list

Prices per roll.

| Item normally available from stock | | |
|------------------------------------|---------|----------|
| model | roll mt | euro |
| HTPE ISOLPLUS 63 | 25 | 414,29 ∨ |
| HTPE ISOLPLUS 76 | 25 | 517,86 ∨ |

| Item normally available from stock | |
|--|---------|
| Description | Euro |
| 90° bend in PVC for corrugated pipe HTPE PLUS Ø63/75mm | 16,22 ∨ |