

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.

Use

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

Features

Internal ripple <5%.

Storage temperature -30°C + 60°C.

Installation temperature -5°C +60°C.

Technical Specifications

		HTPE	HTPE
		ISOLPLUS 63	ISOLPLUS 76
External Diameter of the Non-Insulated Corrugated Duct	mm	75	90
Internal Diameter of the Non-Insulated Corrugated Duct	mm	63	76
External Diameter of the Insulated Corrugated Duct	mm	87	102
Weight	gr/m	320	420
Crush Resistance CEI EN 61386-24	N	>450	>450
Crush Resistance EN 17192	N	>250	>250
Ring Stiffness	SN	>8	>8
Bending Radius	mm	225	270
Internal Corrugation	-	<5%	<5%
Insulation Layer Density	kg/m ³	30	30
Thermal Conductivity of the Insulation Layer	W/mK	0,036 (10°C)	0,036 (10°C)

Pressure Drops

			HTPE	HTPE
			ISOLPLUS 63	ISOLPLUS 76
Airflow Rate at 2 m/s Velocity		m³/h	22,44	32,66
Pressure Drop at 2 m/s Velocity	Pressure Drop – Straight Duct (1 m)	Pa	1,04	0,99
	Pressure Drop – Bend 90°	Pa	0,79	0,87
	Pressure Drop – Bend 180°	Pa	1,30	1,32
Airflow Rate at 2,5 m/s Velocity		m³/h	28,06	40,83
Pressure Drop at 2,5 m/s Velocity	Pressure Drop – Straight Duct (1 m)	Pa	1,62	1,54
	Pressure Drop – Bend 90°	Pa	1,24	1,35
	Pressure Drop – Bend 180°	Pa	2,03	2,07
Airflow Rate at 3 m/s Velocity		m³/h	33,67	48,99
Pressure Drop at 3 m/s Velocity	Pressure Drop – Straight Duct (1 m)	Pa	2,33	2,22
	Pressure Drop – Bend 90°	Pa	1,79	1,95
	Pressure Drop – Bend 180°	Pa	2,93	2,98

Price List

Models	Roll (m)	Eur/Roll
HTPE ISOLPLUS 63	25	-
HTPE ISOLPLUS 76	25	-

Description	Euro
C90H – 90° PVC bend for HTPE PLUS corrugated duct Ø 63/75 mm.	-