

HTPE PLUS Antibacterial and antistatic corrugated duct in HDPE



Description

Double-wall circular corrugated HDPE duct with antibacterial and antistatic treatment. White duct with smooth inner surface. Fire reaction classification (UNI EN 13501-1:2009): Euroclass E.

Features

Internal corrugation <5%.

Storage temperature: -30°C to +60°C.

Installation temperature: -5°C to +60°C.

Use

Controlled mechanical ventilation. Connection from distribution boxes to diffuser and grille plenums.

Accessories

- C90H - 90° bend for Ø 63/75 corrugated duct.
- C90HM - 90° bend for Ø 76/90 corrugated duct.
- EACH - Fixing clips for HTPE-PLUS corrugated duct.
- EAMF - Female coupling for HTPE-PLUS corrugated duct.

Technical Specifications

			HTPE	HTPE	HTPE	HTPE	HTPE	HTPE
			PLUS 52	PLUS 63	PLUS 76	PLUS 93	PLUS 108	PLUS 138
External Ø		mm	63	75	90	110	125	160
Internal Ø		mm	52	63	76	93	108	138
Weight		gr/m	220	250	340	470	470	470
Roll Dimensions	External Ø	cm	96	113	122	143	530	600
	Internal Ø	cm	41	52	54	56	162	196
	Height	cm	36	43	48	52	67	72
Crush Resistance		N	>450	>450	>450	>450	>450	>450
Bending Radius		mm	189	225	270	330	375	480
Airflow Rate at 2 m/s Velocity		m³/h	15,29	22,44	32,66	48,91	65,96	107,69
Pressure Drop at 2 m/s Velocity	Pressure Drop – Straight Duct (1 m)	Pa	1,28	1,04	0,99	1,01	1,04	1,08
	Pressure Drop – Bend 90°	Pa	1,11	0,79	0,87	1,13	1,25	1,44
	Pressure Drop – Bend 180°	Pa	1,78	1,30	1,32	1,69	1,76	1,81
Airflow Rate at 2,5 m/s Velocity		m³/h	19,11	28,06	40,83	61,14	82,45	134,61
Pressure Drop at 2,5 m/s Velocity	Pressure Drop – Straight Duct (1 m)	Pa	1,99	1,62	1,54	1,58	1,62	1,69
	Pressure Drop – Bend 90°	Pa	1,73	1,24	1,35	1,77	1,96	2,26
	Pressure Drop – Bend 180°	Pa	2,78	2,03	2,07	2,63	2,75	2,82
Airflow Rate at 3 m/s Velocity		m³/h	22,94	33,67	48,99	73,36	98,94	161,54

Pressure Drop at 3 m/s Velocity	Pressure Drop – Straight Duct (1 m)	Pa	2,87	2,33	2,22	2,28	1,62	1,69
	Pressure Drop – Bend 90°	Pa	2,49	1,79	1,95	2,55	1,96	2,26
	Pressure Drop – Bend 180°	Pa	4,01	2,93	2,98	3,79	2,75	2,82

Price List

Models	Roll (m)	Eur/Roll
HTPE PLUS 52	50	-
HTPE PLUS 63	50	-
HTPE PLUS 76	50	-
HTPE PLUS 93	50	-
HTPE PLUS 108	50	-
HTPE PLUS 138	50	-

Description	Eur
C90H – 90° PVC bend for HTPE PLUS corrugated duct Ø 63/75 mm.	-
C90HM – 90° PVC bend for HTPE PLUS corrugated duct Ø 76/90 mm.	-