



ROLLAIR
VENTILATION DUCTS

	U.M.	DN50	DN63	DN75	DN90	DN110	DN125	DN160
MATERIAL		HDPE	HDPE	HDPE	HDPE	HDPE	HDPE	HDPE
OUTHER DIAMETER	mm	50	63	75	90	110	125	160
INNER DIAMETER	mm	41	52	63	76	93	108	138
INNER LAYER		antibacterial antistatic antifungal	antibacterial antistatic antifungal	antibacterial antistatic antifungal	antibacterial antistatic antifungal	antibacterial antistatic antifungal	antibacterial antistatic antifungal	antibacterial antistatic antifungal
OUTHER SURFACE*		Selfextinguish	Selfextinguish	Selfextinguish	Selfextinguish	Selfextinguish	Selfextinguish	Selfextinguish
INNER SURFACE WAVINESS		< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%
WEIGHT	gr/m	160	220	250	340	470	470	470
ROLL LENGHT	m	50	50	50	50	50	50	50
ROLLS DIMENSIONS	d. ext.	84	96	113	122	143	530	600
	d. int. cm	37	41	52	54	56	162	196
	h.	33	36	43	48	52	67	72

* upon request on minimal quantities

FLOW CHART

	U.M.	DN50	DN63	DN75	DN90	DN110	DN125	DN160
OUTHER DIAMETER		50	63	75	90	110	125	160
INNER DIAMETER		41	52	63	76	93	108	138
COMPRESSION VALUE	N	> 450*	> 450*	>450 >750	> 450*	> 450*	> 450*	> 450*
USE TEMPERATURE RANGE	°C	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60
INSTALLATION TEMPERATURE RANGE	°C	-5 ÷ +60	-5 ÷ +60	-5 ÷ +60	-5 ÷ +60	-5 ÷ +60	-5 ÷ +60	-5 ÷ +60
MINIMAL BENDING RADIUS	mm	150	189	225	270	330	375	480
AIRFLOW SPEED a 2 m/s	m ³ /h	9,51	15,29	22,44	32,66	48,91	65,96	107,69
AIR FLOW DROP at 2 m/s								
straight (1m)	Pa	2,12	1,28	1,04	0,99	1,01	1,04	1,08
curve 90°		1,93	1,11	0,79	0,87	1,13	1,25	1,44
curve 180°		2,53	1,78	1,30	1,32	1,69	1,76	1,81
AIRFLOW SPEED a 2,5 m/s	m ³ /h	11,88	19,11	28,06	40,83	61,14	82,45	134,61
AIR FLOW DROP at 2,5 m/s								
straight (1m)	Pa	3,31	1,99	1,62	1,54	1,58	1,62	1,69
curve 90°		3,01	1,73	1,24	1,35	1,77	1,96	2,26
curve 180°		3,95	2,78	2,03	2,07	2,63	2,75	2,82
AIRFLOW SPEED a 3 m/s	m ³ /h	14,26	22,94	33,67	48,99	73,36	98,94	161,54
AIR FLOW DROP at 3 m/s								
straight (1m)	Pa	4,77	2,87	2,33	2,22	2,28	1,62	1,69
curve 90°		4,33	2,49	1,79	1,95	2,55	1,96	2,26
curve 180°		5,69	4,01	2,93	2,98	3,79	2,75	2,82

* Upon request minimal shock resistance 750N