

High Temperature Flexible Ducting - 450°C

Exhaust gas hose for temperatures up to +450°C, two layers

Material

- 1 clip profile spiral: hot-dip galvanised steel band
- 2 wall: double-layered, inner layer with heat resistant impregnated glass fabric and outer layer with special-coated high-temperature fabric reinforced with integrated VA wire

Applications

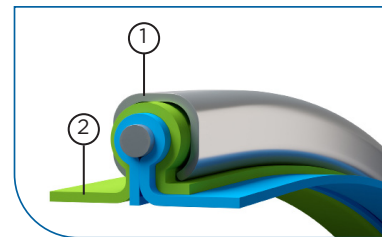
- diesel engine test-benches with higher extraction performance
- hot air conveyance
- engine manufacturing
- exhaust gas extraction
- machine manufacturing
- automotive manufacturing
- low pressure range
- smoke extractors
- defence systems
- aircraft manufacturing

Properties

- extremely flexible
- hardly inflammable
- very good temperature resistance
- primarily suitable as exhaust hose
- increased vacuum resistance via integrated reinforcement components
- outer chafing protection spiral
- small bending radius
- withstands high mechanical loads
- super lightweight
- abrasion-resistant
- high tension-proof connection of wall-lining and spiral via special clamp mechanism

Temperature Range

- -20°C to +450°C for vacuum applications
- peaks to +500°C



DN	vacuum	bend radius	weight/m
	bar	mm	kg
50	0.35	30	0.59
55	0.29	33	0.65
60	0.24	36	0.63
65	0.21	39	0.68
70	0.17	42	0.73
75	0.15	45	0.78
80	0.14	48	0.83
90	0.11	54	0.93
100	0.09	60	1.2
110	0.07	66	1.31
120	0.06	72	1.43
125	0.05	75	1.48
130	0.05	78	1.54
140	0.05	84	1.65
150	0.04	90	1.76
160	0.03	96	1.87
170	0.03	102	1.99
175	0.03	105	2.04
180	0.03	108	2.1
200	0.02	120	2.32
215	0.02	151	2.78
225	0.02	158	2.9
250	0.02	175	3.21
275	0.01	193	3.52
300	0.01	210	3.83
315	0.01	221	4.01
325	0.01	228	4.14
350	0.01	245	4.45
375	0.01	263	4.78
400	0.01	280	5.09
450	0.01	360	5.71
500	0.01	400	6.33
550	0.01	440	6.94
600	0.01	480	7.56
700	0.01	560	8.8
800	0.01	640	10.03
900	0.01	720	10.27