Novaflex® Thermoplastic Urethane Duct

TPUW

This duct's special molecular bonded construction means less turbulence for maximum flow efficiency. This lightweight, flexible duct will perform under the toughest conditions including low temperatures, oil and ozone and fungus. It is extremely flexible with excellent shape retention and is highly compressible for easier storage and transportation. Manufactured with FDA approved materials.

Applications

Sawdust collection
Lavatory waste
Pellet, material transfer
Excellent low temperature flexibility
Abrasion, oil and ozone and fungus resistant

Construction

Product code: 9SFTPUX
9SFTPUW (with wire)
Material: 0.030" clear extruded urethane
Diameters: 1.5" to 24"
Weight: 6" I.D.= 0.84 lbs/ft
Lengths: 25 & 50 ft. to 8" diam., 25'-10" diam. and up
Compression Ratio: 2:1
Temperature range:-65°F (-54°C) to +200°F (+93°C)
Colour: Clear with clear helix

**(Available with and without encapsulated wire)*

Size ID (in)	Min in. for 90°Bend	Bend Radius	Friction Loss Straight Run 100' (in Wg)	Friction Loss 90° 100' (in Wg)	Positive W. P. (PSIG)	Neg. W.P. (vacuum rating in Hg)	Wgt (per foot)	Crush Tests ½ ID (lbs per foot)
2"	9.5"	3.0"	1.72	1.84	22	29	0.44	780
3"	10.0"	3.5"	1.62	1.74	20	29	0.47	660
4"	11.5"	4.0"	1.29	1.42	18	26	0.56	510
5"	13.5"	5.0"	1.19	1.3	18	21	0.7	400
6"	14.5"	5.5"	1.17	1.28	16	16	0.84	350
8"	19.0"	7.0"	0.74	0.75	16	6	1.12	310
10"	21.0"	8.5"	0.71	0.73	14	5	1.24	270
12"	23.0"	9.5"	0.68	0.7	14	4.5	1.37	265

The above data is provided as a general guide only. Friction loss through flexible ducting is dependent on the diameter, length, values, inner wall surface, general duct construction and number of bends. Friction loss values were obtained using 100 ft straight runs with an air velocity of 3,500 FPM.

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