

Novaflex®

Thermoplastic Rubber

SF-TPRW and SF-TPRX (Thermo Plastic Rubber)

Molecularly bonded high temperature thermo plastic rubber. Exceeds temperature limit of most plastics and is an economical alternative to specialty fabric duct. SF-TPR provides outstanding performance and flex fatigue resistance. Smooth interior design allows for superior flow and maximum efficiency. Extremely flexible with excellent shape retention. Manufactured with RoHS compliant material. *See SF-TPR-FR for flame retardant applications.

Applications

Excellent flex fatigue resistance
Light duty material handling
Hot exhaust extraction
Medium duty chemical fume removal

Construction

Product code: 9SFTPRX, 9SFTPRW (with wire)
Material: Thermo Plastic Rubber with molecularly bonded wear strip
Diameters: 1.5" to 24". Bend Radius: 6"= 6.5"
Weight: 6" I.D.= .77 lbs/ft Compression Ratio: 2:1
Lengths: 25 & 50 ft. up to 8" diameter. 10" diameter and up 25 ft.
Temperature range:-40°F (-40°C) to +275°F (+135°C) continuous, (+300°F (149°C) intermittent)
Colour: TPRW All black, or black with yellow wearstrip. TPRX black with white wearstrip. *(available with & without encapsulated wire). Metric sizes available.



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"	8.0"	3.0"	1.68	1.8	8.5	26	0.33	790
3"	9.0"	3.5"	1.6	1.72	7.5	24	0.39	690
4"	11.5"	4.5"	1.3	1.43	7.3	20	0.49	500
5"	13.5"	5.5"	1.23	1.34	7.2	16	0.66	400
6"	14.5"	6.5"	1.2	1.32	7	12	0.77	375
8"	19.0"	8.5"	0.7	0.77	6.7	5	1	320
10"	21.0"	10.0"	0.68	0.75	5.5	4.5	1.12	290
12"	24.5"	11.5"	0.65	0.72	4.7	4	1.23	250

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 100ft straight runs with an air velocity of 3,500 FPM.

The information provided within is for informational purposes only. We have made every effort to ensure the accuracy of the provided information and assume no responsibility for any loss or damage due to errors or omissions or to the use or misuse of any information supplied. It is impossible to test all products under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all products under the conditions that duplicate the service conditions prior to installation. All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete **Terms and Conditions of Sale** located on our web sites at: www.novaflex.com | www.z-flex.com | www.flexmaster.com.

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