

# Novaflex® Static Dissipating Urethane Duct



## Novaflex® Static Dissipating Urethane Duct

- Manufactured from inherently dissipating urethane
- Safely reduces electrostatic build-up
- Excellent flow efficiency with reduced turbulence even in tight bends
- Excellent abrasion resistance and high tear strength
- Lightweight and extremely flexible

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THE  
**NOVAFLEX**®  
GROUP 

## Static Dissipating Duct



### Novaflex® TPU-SD (.030" wall gauge)

Static dissipating urethane reinforced with steel wire helix safely reduces static charges. TPU-SD is now manufactured using raw materials which meet the current requirements of the FDA for food contact applications when used in accordance with the requirements and limitations of 21 CFR: 175.105 and 177.2600a.

This specially-formulated, inherently static-dissipating grade of urethane, also maintains the TPU-SD duct's ability for permanent protection against electrostatic discharge.

- Excellent flexibility
- Maximum abrasion resistance
- Superior tear resistance and high tensile strength
- Clear construction for visual monitoring

#### Applications

Plastics processing, dust and shavings  
Woodworking equipment  
Plant debris collection  
Dust collection  
Material handling

#### Specifications

Wall gauge: 0.030"  
Temperature range: -65°F to 200°F  
Lengths: 25 & 50 ft  
Sizes: 2" to 12"  
Compression ratio: 2:1  
Product Code: 9SFTPUW\_ \_SD

Larger diameters and metric sizes and heavier wall gauges available. Please contact factory.

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

Static dissipating material with wire helix allows for safe grounding when used with metallic fittings. Conductivity of the duct should be tested regularly. Test the OHMS meter using conductive fittings inserted into each end of the duct. Point to point and point to ground testing performed on 4" duct resulted in readings between  $1 \times 10^8$  and  $1 \times 10^{10}$  OHMS.

All hose and duct manufactured by Novaflex® are warranted to be free from all defects in material and workmanship. It is impossible to test Novaflex hose and duct under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end user's responsibility to test all Novaflex hose and duct under conditions that duplicate the service conditions prior to installation.

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