



# NOVAFLEX Flame Retardant Thermoplastic Duct

Designed for use in volatile environments.

Dust control.

High temperature exhaust, including sparks.

THE  
**NOVAFLEX**  
GROUP   
[www.novaflex.com](http://www.novaflex.com)

## Flame Retardant Thermoplastic Rubber



### Flexible fume control duct in flame retardant thermoplastic rubber

#### Special Features

Specifically designed and constructed for welding environments  
 Flexibility allows fit around tight corners and limited spaces  
 Ideal for dust and fume removal  
 Manufactured of UL 94V0 approved material

#### Applications

Welding fume exhaust  
 High temperature fume control  
 Smoke and dust control for manufacturing processes

#### Product Specifications

Temperature range: -40°F to +275°F, continuous, 300°F  
 Standard length: 25 ft & 50 ft  
 Standard diameters: 2" to 24"  
 Standard color: black with orange wear strip  
 \*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"	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

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 users' responsibility to test all Novaflex hose and duct under conditions that duplicate the service conditions prior to installation.

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# Novaflex Thermoplastic Rubber

## SF-TPR-FR (Flame Retardant)

Flexible fume control duct in flame retardant TPR. Specifically designed for welding environments. Flexibility allows fit around tight corners and limited spaces. Ideal for dust and fume removal.

**Uses:** Welding fume exhaust, high temperature fume control, smoke and dust control for manufacturing processes.

### Specifications:

Temperature range: -65°F to +300°F

Standard lengths 25ft & 50 ft.

Standard diameters: 1½" to 24"

Standard color: Black with orange wear strip



## SF-TPR

Today's answer to your every day ducting needs. Manufactured without solvents, glues or adhesives SF-TPR provides outstanding performance and fatigue resistance. Smooth interior design allows for superior flow and maximum efficiency.

**Uses:** Excellent flex fatigue life, good abrasion resistance, wide temperature range and excellent chemical resistance.

### Specifications:

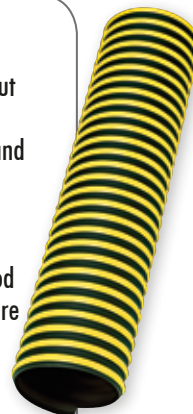
Temperature range: -40°F to +275°F

continuous, 300°F intermittent.

Standard lengths: 25ft & 50 ft.

Standard diameters: 1½" to 24"

Standard color: Black with yellow wear strip



## SF-TPU

This duct offers maximum abrasion resistance with minimum turbulence. This lightweight, flexible duct will perform under the toughest conditions including low temperatures, oil and ozone and fungus.

**Uses:** Maximum abrasion resistance, superior tear resistance/tensile strength. Clear construction for visual monitoring. Excellent low temperature flexibility and good chemical resistance.

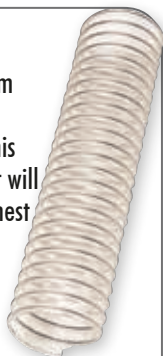
### Specifications:

Temperature range: -65°F to +200°F.

Standard lengths: 25 & 50 ft.

Standard diameters: 1½" to 24"

Standard color: Clear



## SF-PVC

This is a choice duct for many industrial applications, including the transport of particles and gaseous media. Constructed of premium clear PVC this duct allows for continuous visual monitoring.

**Uses:** Good resistance to oil, alkali and acids, extremely flexible with good abrasion resistance.

### Specifications:

Temperature range: -20°F to +165°F.

Standard length: 25 & 50 ft.

Standard diameters: 1½" to 24"

Standard color: Clear with black wear strip



## Novaflex AP60

A duct with excellent shape retention. Extremely flexible and compressible. Enhanced chemical and temperature resistance of TPR. Extremely smooth interior for superior flow. Heavy duty external wear strip protects against abrasion, but will not scuff of mark surfaces.

**Uses:** industrial and residential duct cleaning, in plant dust control, shop vacuum systems, chemical fume control.

### Specifications:

Temperature range: -60°F to +225°F.

Standard lengths: 25 & 50 ft.

Standard diameters: 2" to 12"

Standard color: Black with black external wear strip



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