

Ultraflex®

The Ultraflex ducting line delivers high performance service to a wide range of applications. The variety of thermoplastic materials makes this line exceptionally versatile. Flexibility and compressibility also make it ideal for many difficult, hard to handle applications. Its toughness, weatherability and resistance to chemicals and abrasion allow it to take on the most demanding jobs.

Ultraflex TPR – Type TPR features a helical wire reinforced thermoplastic rubber suitable for a wide variety of air handling, fume control, and dust collection applications. It offers good abrasion resistance, superior chemical resistance, excellent ozone and weathering resistance, as well as good resistance to flex fatigue. For additional wear resistance, an orange vinyl wear strip on the O.D. is also available.



Type TPR

Inside Diameter (inches)	2	4	6	8	10
Weight (lbs./ft.)	.22	.75	.94	1.62	1.86
Inside Bend Radius	1/2 of I.D.				
Burst (psig)	50	32	27	25	22
Working Pressure (psig)	17	11	9	8	7
Compressibility	65%				
Temperature Range	-60°F to +275°F, +300°F Intermittent				
Max. Negative Pressure (in. hg.)	24	24	9	8	6

Footnote: All pressure and vacuum data based on 72°F temperature.

- Standard Colors:** Black
- Sizes:** 2" I.D. through 18" I.D.
- Standard Length:** 25 ft. (other lengths up to 50 ft. available upon request)
- Temp. Range:** -60°F to +275°F Continuous.
+300°F Intermittent
- Features:** Excellent flexibility and compressibility characteristics; can be used in both positive and negative applications.
- Applications:** Venting systems for chemical fumes; dust collection; exhausting gases; air movement.

Ultraflex TPC – Type TPC consists of a thermoplastic polyvinyl chloride (PVC) material reinforced with a spring steel wire helix. It is an excellent economical choice for industrial applications that require fume removal, ventilation, dust collection, etc.



Type TPC

Inside Diameter (inches)	2	4	6	8	10
Weight (lbs./ft.)	.17	.40	.59	.85	1.03
Inside Bend Radius	1/2 of I.D.				
Burst (psig)	27	18	17	15	10
Working Pressure (psig)	9	6	5.5	5	3
Compressibility	75%				
Temperature Range	-20°F to +180°F				
Max. Negative Pressure (in. hg.)	20	14	8	6	5

Footnote: All pressure and vacuum data based on 72°F temperature.

- Standard Colors:** Blue
- Sizes:** 2" I.D. through 18" I.D.
- Standard Length:** 25 ft. (other lengths up to 50 ft. available upon request)
- Temp. Range:** -20°F to +180°F
- Features:** Excellent flexibility, good abrasion resistance, good chemical resistance, good weathering characteristics.
- Applications:** Fume removal, ventilation, dust collection, light material handling internal cooling and venting of computers.

Ultraflex TPU – Type TPU is constructed of a helical wire reinforced thermoplastic urethane that offers excellent abrasion resistance for material handling applications. It's a tough, versatile, lightweight, flexible hose/ducting that can be used in a wide variety of applications, and is offered in black or clear transparent urethane that allows the user to monitor the flow of material.

Type TPU

Inside Diameter (inches)	2	4	6	8	10
Weight (lbs./ft.)	.24	.56	.94	1.08	1.36
Inside Bend Radius	1/2 of I.D.				
Burst (psig)	50	25	22	15	10
Working Pressure (psig)	17	8	7	5	3
Compressibility	65%				
Temperature Range	-65°F to +200°F				
Max. Negative Pressure (in. hg.)	24	23	9	8	6

Footnote: All pressure and vacuum data based on 72°F temperature.

Standard Colors: Black or Clear

Sizes: 2" I.D. through 18" I.D.

Standard Length: 25 ft. (other lengths up to 50 ft. available upon request)

Temp. Range: -65°F to +200°F

Features: Superior abrasion resistance, excellent low temperature flexibility, high tear strength, excellent ozone resistance, and good oil resistance.

Applications: Lawn and garden applications include chip handling, leaf and grass loading, straw blowing; industrial vacuum systems; transfer of plastic pellets; dry bulk material handling systems; agricultural product material handling; woodworking applications include transfer of sawdust and wood chips.

Ultraflex VP – Type VP is constructed of a vinyl coated polyester fabric material with a spring steel wire helix reinforcement. This type also includes a vinyl wear strip over the wire helix for additional wear resistance. It is offered in single ply construction (VP-1) or double ply construction (VP-2).

Type VP-1

Inside Diameter (inches)	2	4	6	8	10
Inside Bend Radius	1/2 of I.D.				
Burst (Calculated)	55	27	18	14	11
Working Pressure (psig)	13.5	6.5	4.5	3.5	2.5
Compressibility	60%				
Temperature Range	-20°F to +180°F				
Max. Negative Pressure (in. hg.)		23	10		

Footnote: All pressure and vacuum data based on 72°F temperature.

Standard Colors: Yellow with orange wear strip

Sizes: 2" I.D. through 18" I.D.

Standard Length: 25 ft. (other lengths up to 50 ft. available upon request)

Temp. Range: -20°F to +180°F

Features: Good chemical resistance, mildew and moisture resistant, lightweight, flexible, abrasion resistant, flame retardant.

Applications: Chemical and abrasion resistant, designed for both positive and negative low pressure air movement, fume and dust removal and light material handling.

Type VP-2

Inside Diameter (inches)	2	4	6	8	10
Inside Bend Radius	Equals I.D.				
Burst (Calculated)	80	40	27	21	16
Working Pressure (psig)	20	10	6.5	5	4
Compressibility	50%				
Temperature Range	-20°F to +180°F				
Max. Negative Pressure (in. hg.)		23	10		

Footnote: All pressure and vacuum data based on 72°F temperature.

Standard Colors: Yellow with orange wear strip

Sizes: 2" I.D. through 18" I.D.

Standard Length: 25 ft. (other lengths up to 50 ft. available upon request)

Temp. Range: -20°F to +180°F

Features: Good chemical resistance, mildew and moisture resistant, lightweight, flexible, abrasion resistant, flame retardant.

Applications: Chemical and abrasion resistant, designed for both positive and negative low pressure air movement, fume and dust removal and light material handling.