

# Thermoplastic Flex Medium Duty

Specifications

October 2022

**Construction:** Medium weight black thermoplastic rubber hose reinforced with a spring steel wire helix

## Product Features:

- Designed for wide temperature ranges while maintaining flexibility.
- Great moisture and UV resistance
- Excellent chemical resistance
- Smooth interior assures minimal friction loss and efficient air flow
- Available in Metric sizes

**Applications:** Abrasives, Dust, Materials.

**Temperature Range:** -40°F to 275°F.

**Size I.D. (Inches):** 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 10, 12, 14, 16, 18, 20, 22 & 24 inch I.D.

**Size I.D. (Metric):** 60, 80, 100, 120, 140, 150, 175, 200, 250, & 300mm (all Metric sizes have a 200 ft minimum)

**ID Tolerances:** To 8" ID: -0.00 to +0.125 Inch  
8" and over: -0.00 to +0.250 Inch

**Wall thickness:** 0.025 inch (2" ID), 0.030 inch (2.5" ID and above)

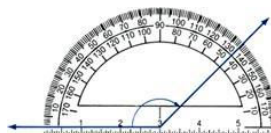
**Standard Length:** 25 & 50 Feet.

**Standard Color:** Black

**End Finish:** Plain Cut

**Markets:** Abrasion Resistance, Agricultural, Air Duct Cleaning, Auto Teller, Car Wash, Chemical Fumes, Chemical Plants, Cotton Pickers, Dry Cleaning, Duct Cleaning, Dust Collection, Furnace Duct Cleaning, Fume Exhaust, Industrial, Landfill Venting, Lawn & Leaf Collection, Off-Road, Oil Mist, Ozone, Paint Spray Extraction, Paper Trim Conduit, Pipe Organs, Plastic Bag Machines, Pollution Control, R.V. Manufacturing, Sheet Metal, Woodworking/Furniture Industries.

Rubber-Cal, Inc.  
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**.com**


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Size Inside Diameter (Inches)	Approximate Weight Lbs./ft.	Min Centerline Bend Radius (Inches)	Compression Ratio	Max Recommended Negative Pressure (IN./HG)	Max Recommended Positive Pressure (PSI)
1.5	0.16	1.7	2 to 1	29	25
1.75	0.19	1.8	2 to 1	29	21
2	0.25	2	2 to 1	29	19
2.25	0.28	2.2	2 to 1	29	17
2.5	0.32	2.5	2 to 1	29	14
3	0.4	3	2 to 1	29	11
3.5	0.45	4	2 to 1	29	10
4	0.67	5.5	2 to 1	29	9
4.5	0.75	6	2 to 1	22	8
5	0.85	6.5	2 to 1	17	8
5.5	0.9	6.8	2 to 1	12.5	7
6	0.92	6	3 to 1	11	7
7	0.95	7	3 to 1	9	5
8	1.2	8	3 to 1	8	4.5
9	1.7	9	3 to 1	7	4
10	2.2	10	3 to 1	6.5	4
12	2.7	12	3 to 1	5	3.8
14	3	14	3 to 1	3	3.2
16	3.5	16	3 to 1	2.3	2.6
18	3.9	18	3 to 1	1.6	2.3
20	4.3	21	3 to 1	1.2	2.1
22	4.4	23	3 to 1	0.9	1.9
24	4.8	25	3 to 1	0.7	1.75

Note: Technical data based on 2 ft. straight lengths of hose 72 F.

**Disclaimer:** The proper use and maintenance of the hose and/or duct is the sole responsibility of the purchaser and ultimate user of the product. This information is presented as a general guide only. The number of variables which can be present in any application make firm recommendations impossible. Adequate testing under actual service conditions is necessary to properly establish suitability. We take pride in the quality of all of our products and we welcome comments and suggestions from our customers.

**California Prop 65:**  **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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