

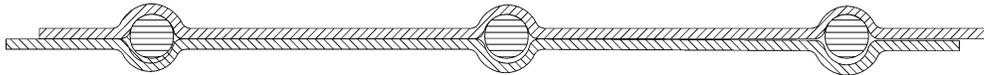


## ENGINEERING AND TECHNICAL DATA

### Heat-Flex<sup>®</sup> NS

March 2007

**Construction:** Double-ply fabric hose with a silicone coated fiberglass inner layer & a silicone coated Nomex<sup>®</sup> outer layer reinforced with a spring steel wire helix & external filament fiberglass cord



#### **Product Features:**

- Nomex<sup>®</sup> material increases flex life & abrasion resistance
- Suited for high temperature air handling applications
- The narrow pitch allows for tight bending radius while maintaining a smooth air flow
- Ideal for applications where constant flexing is involved
- Non-kinking
- Resistant to many oils & solvents, ozone, water, fungus, & alkalis

**Applications:** Recommended for industrial air movement and fume control applications.

**Temperature Range:** -65°F to 550°F

**Diameter Range (Inches I.D.):** 1.00-8.00 Inch I.D.

**Standard Length:** 12 Feet

**I.D. Tolerances (Inches):** -0.00 to +0.125 Inch

**Standard Color:** Inner Layer; Iron Oxide Red  
Outer Layer; Black

**End Finish:** Plain Cut (cuffs available)

**Markets:** •Aircraft •Automotive •Brake Ducting •Brick Kilns •Cab Ventilation •Defroster/Heater Hose  
•Dry Cleaning •Dryer Hose •Exhaust Systems •Garage Exhaust •Glass Drying •Heater •High  
Temperature Applications •Plastics Industry •Rocket Support Duct •Tractor Pull Exhaust  
•Transmission Cooling •Vehicle Exhaust Systems



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SIZE INSIDE DIMENSION (INCHES)	APPROXIMATE WEIGHT (LBS./FT.)	MINIMUM CENTERLINE BEND RADIUS (INCHES)	COMPRESSION RATIO	MAXIMUM RECOMMENDED NEGATIVE PRESSURE (IN./HG.)	MAXIMUM RECOMMENDED POSITIVE PRESSURE (PSI)
1	.12	1.2	3:1	29	30
1.5	.17	1.8	3:1	29	30
2	.25	2	3:1	29	30
2.5	.3	2.3	3:1	29	30
3	.33	2.5	3:1	29	30
3.5	.4	2.5	3:1	29	30
4	.48	3	5:1	27	30
4.5	.54	3.2	5:1	20	30
5	.59	3.5	5:1	14	30
6	.62	4	5:1	9	19
8	.79	4	5:1	9	14

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

Disclaimer: The proper use and maintenance of hose and/or duct manufactured by Flexaust 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 Flexaust products and we welcome comments and suggestions from our customers.



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