



1duct™

FLEXIBLE DUCTING PRODUCT

ALL-PTFE FLEXIBLE DUCT WITH WEAR-RESISTANT METAL COIL FOR ALL APPLICATIONS

1duct™ Description

1duct™ is a PTFE flexible ducting product for all your needs and for any environment. With a maximum temperature range of 600°F (316°C), 1duct™ can be used in any wet or dry application, regardless of the chemical exposure. It is unaffected by UV exposure and will not grow fungus. It can include an electrically-conductive surface material to prevent the build-up of static charge. Some market opportunities include clean rooms, chemical plants, food plants, fume exhaust, high temperature, pharmaceutical, fume control, and pollution control.



- **Manufactured with FM 4910 Listed Materials.**
- **Material is Flame & Smoke Rated.**
- **Corrosion-free.**
- **Upper temperature limit of 600°F (316°C).**
- **6 to 1 compression ratio.**
- **Extreme flexibility.**
- **Wear-resistant metal ring exterior.**
- **Zero-porosity material.**
- **Can include a static-dissipative surface.**
- **The most versatile plastic flexible duct in the marketplace.**

1duct™ - IN ANY ENVIRONMENT



- *Includes an award-winning PTFE CrossFilm™ laminate technology.*
- *Lower permeation than coated products.*
- *Better resistance to grease wicking than coated products.*
- *Made with Galvanized or Stainless metal coil.*
- *Uses a bridge clamp to achieve a tight attachment to a pipe.*
- *6 to 1 compression ratio and a small bend radius.*
- *Uniform PTFE thickness over fabric reinforcement.*
- *Higher excursion temperature capability than dip-coated PTFE materials.*
- *Customizable with colors, thickness, texture and PTFE logos.*
- *Ideal product for applications with fire rating requirements.*
- *Complies with ASTM E84, UBC 8-1, UL 723 and NFPA 318 for Flexible Exhaust Ducts.*



WEBSITE



FLEXIBLE DUCTING



1duct™

FLEXIBLE DUCTING PRODUCT

ALL-PTFE FLEXIBLE DUCT WITH WEAR-RESISTANT METAL COIL FOR ALL APPLICATIONS

| Diameter (inches) | Positive Pressure (inches w.c.) | Negative Pressure (inches w.c.) | Bending Radius (inches) | Weight (lbs/ft) |
|-------------------|---------------------------------|---------------------------------|-------------------------|-----------------|
| 3.00 | 181 | 52 | 1.74 | 0.42 |
| 4.00 | 118 | 31 | 2.35 | 0.43 |
| 5.00 | 81 | 19 | 2.91 | 0.50 |
| 6.00 | 62 | 13 | 3.49 | 0.57. |
| 7.00 | 48 | 10 | 4.11 | 0.72 |
| 8.00 | 38 | 7 | 4.65 | 0.78 |
| 9.00 | 31 | 5 | 6.19 | 0.94 |
| 10.00 | 27 | 4 | 6.79 | 1.00 |
| 11.00 | 23 | 3 | 7.56 | 1.22 |
| 12.00 | 20 | 3 | 8.14 | 1.36 |

- Pressure ratings assume an ambient temperature of 70°F.
- Bending radius to the inner side of the elbow of hose.



WEBSITE



FLEXIBLE DUCTING