CORROLINE+®
PTFE Hose for chemical and process fluid transfer

Very flexible - very tough - fully kink and crush resistant - smooth bore for fast flow and easy clean

END FITTING OPTIONS - Non-lined, or PTFE lined and flared design:
- ANSI 150, DIN and JIS SWIVEL FLANGE FITTINGS, CAM & GROOVE FITTINGS AND DIPPIPES

END FITTING OPTIONS - Non-lined design:
- SANITARY TRI-CLAMP FITTINGS, BSP, NPT AND JIC THREADED FITTINGS, DIN 11851, RJT AND SMS HYGIENIC FITTINGS

ALTERNATIVE DESIGN OPTIONS (TO SPECIAL ORDER) -
- IF BRAIDED ONLY, DIFFERENT COLOUR RUBBER COVERS, OR PTFE LINED AND FLARED END FITTINGS FOR THE OTHER FITTING DESIGNS ARE REQUIRED, IT MAY BE POSSIBLE TO MATCH THOSE REQUIREMENTS WITH THE BIOFLEX ULTRA PRODUCT - CONSULT AFLEX HOSE.

FOR THE FULL CORROLINE+ HOSE BROCHURE PLEASE VISIT - WWW.AFLEX-HOSE.COM
### Nominal Hose Size | Actual Bore Size | Outside Diameter | Maximum Working Pressure | Minimum Bend Radius | **Maximum Continuous Lengths** | Weight per Unit Length
---|---|---|---|---|---|---
in | mm | in | mm | in | mm | ft | mtrs | Kg/Mtr | lb/ft
1/2 * | 13 | 0.51 | 13.1 | 0.85 | 21.5 | 1000 | 69 | 1 1/8 | 38 | 100 | 30 | 0.40 | 0.27
3/4 * | 20 | 0.76 | 19.3 | 1.12 | 28.5 | 624 | 43 | 2 | 50 | 100 | 30 | 0.70 | 0.47
1 | 25 | 1.01 | 25.7 | 1.45 | 37.0 | 600 | 41 | 2 7/8 | 70 | 100 | 30 | 1.10 | 0.74
1 1/4 | 32 | 1.26 | 32.2 | 1.75 | 44.6 | 550 | 38 | 3 1/8 | 100 | 100 | 30 | 1.60 | 1.07
1 1/2 | 40 | 1.51 | 38.5 | 2.03 | 51.7 | 500 | 34 | 4 1/8 | 120 | 100 | 30 | 1.92 | 1.29
2 | 50 | 2.01 | 51.1 | 2.55 | 65.0 | 400 | 28 | 5 5/8 | 150 | 100 | 30 | 2.80 | 1.88
2 1/2 | 65 | 2.51 | 63.7 | 3.17 | 80.5 | 290 | 20 | 11 1/8 | 300 | 59 | 18 | 3.98 | 2.67
3 | 80 | 3.02 | 76.8 | 3.65 | 92.8 | 218 | 15 | 13 4/8 | 350 | 49 | 15 | 4.42 | 2.97

* The 1/4" and 3/4" size hoses do not include the helical wire embedded in the rubber
** Longer lengths may be available, to special order

- **Pressure and Temperature Limitations**
  - **Maximum Working Pressures** - as listed above apply from -40°C (-40°F) up to the maximum operating temperature of 150°C (302°F).
  - **Burst Pressures** - The hose burst pressures are equal to or more than the maximum working pressures × 4.

- **Vacuum Limitations**
  Usable at vacuum to -0.9bar up to 150°C (302°F).

- **Flexibility**
  Much less force to bend than any other smooth bore PTFE lined hose product.

- **Kink resistance**
  Much more resistant to kinking than any other smooth bore PTFE lined hose product, and much more kink resistant than the previous Corroline product.

- **Fire resistance**
  Corroline+ hose is Fireproof to BS5173 Section 103.13 Parts 6.2 and 6.3, and Corroline+ hose assemblies can be upgraded to Fireproof by applying DBK 300 at each end (see full brochure). All assemblies comply with the flammability requirement as set out in EN 16643:2016.

- **‘Rolling U’ Flex Life Test**
  More than 100 × the flex life to failure compared with all other types of smooth bore PTFE, FEP and PFA lined rubber covered hose products.

- **Flow rates**
  More than 2 times the flow rates for convoluted bore hose designs. Consult Aflex Hose for specific flow rate information.

- **Gas permeability**
  Reduced gas permeability compared with other PTFE lined hose designs, due to the heavy compression applied to the PTFE during processing which reduces porosity.

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**Disclaimer:** The information contained in this document is believed to be correct but Aflex Hose Limited accepts no liability for any errors it contains and reserves the right to alter specifications without notice. It is the users’ responsibility to ensure product suitability for use within their application. Bioflex, Corroflex, Corroline, Hyperline FX, Pharmaline are registered trademarks of Aflex Hose Limited.