

PH1003 - PTFE - CONVOLUTED HOSE

Applicable Standard : Polyhose proprietary product



Construction

Inner tube Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 316 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria in fluid handling, chemical transfer and semiconductor. Also for some applications the tube can also be made conductive to dissipate electro -static charges.

Note : Compliances: FDA 21CFR 177.1550 (Natural Tube)USP Class VI ISO 10993 Sections 6, 10, 11. Working, burst pressure and vacuum are at 23 Deg C temperature . Available in electrical conductive version also and our part # shall be PH1004.

| Item Code | Dash Size | ID | | OD | | WP | | BP | | BR/r | | W | Qty (ft) | Type | No of sections |
|-----------|-----------|-------|-------|-------|-------|------|-----|------|-----|------|-----|------|----------|------|----------------|
| | | inch | mm | inch | mm | psi | bar | psi | bar | inch | mm | g/m | | | |
| PH1003-06 | -6 | 3/8 | 9.65 | 0.54 | 13.7 | 1500 | 103 | 6000 | 412 | 1 | 25 | 210 | | | |
| PH1003-12 | -12 | 3/4 | 19.18 | 1.02 | 25.9 | 1200 | 83 | 4800 | 332 | 2 | 51 | 435 | | | |
| PH1003-04 | -4 | 1/4 | 6.35 | 0.410 | 10.4 | 1500 | 103 | 6000 | 412 | 0.75 | 19 | 110 | | | |
| PH1003-08 | -8 | 1/2 | 12.83 | 0.725 | 18.4 | 1500 | 103 | 6000 | 412 | 1.5 | 38 | 230 | | | |
| PH1003-16 | -16 | 1 | 25.53 | 1.320 | 33.5 | 925 | 64 | 3700 | 256 | 2.5 | 64 | 550 | | | |
| PH1003-20 | -20 | 1.1/4 | 31.87 | 1.68 | 42.7 | 750 | 52 | 3000 | 208 | 3 | 76 | 680 | | | |
| PH1003-24 | -24 | 1.1/2 | 38.2 | 1.89 | 48.00 | 650 | 45 | 2600 | 180 | 3.75 | 95 | 810 | | | |
| PH1003-32 | -32 | 2 | 50.8 | 2.42 | 61.5 | 450 | 31 | 1800 | 124 | 4.8 | 121 | 1400 | | | |



Temperature Range : Continuous : -73°C to +260°C

Vacuum : 28 in Hg