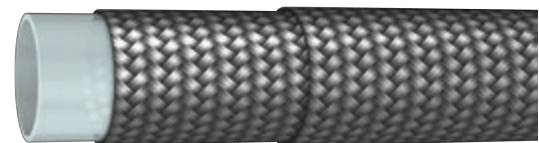


PH382 - PTFE GAS HOSE

Polyhose Proprietary Product



Construction

Core Special quality of Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Double braids of 304 series of stainless steel wire

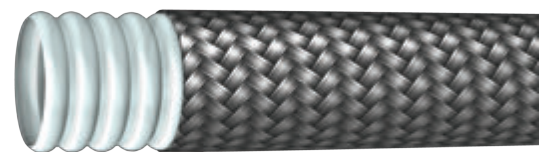
Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria Transport of cryogenic gases at high pressures

| Item Code | Dash Size | WT | ID | | OD | | WP | | BP | | BR/r | | W |
|-----------|-----------|------|------|------|-------|------|-------|-----|--------|-------|------|-----|-----|
| | | | inch | mm | inch | mm | psi | bar | psi | bar | inch | mm | g/m |
| PH382-04 | -4 | 1.00 | 1/4 | 6.4 | 0.470 | 11.9 | 5,300 | 365 | 15,900 | 1,095 | 1.6 | 40 | 236 |
| PH382-05 | -5 | 1.00 | 5/16 | 8.0 | 0.540 | 13.7 | 4,560 | 315 | 13,680 | 945 | 1.8 | 45 | 301 |
| PH382-06 | -6 | 1.00 | 3/8 | 9.5 | 0.580 | 14.7 | 4,350 | 300 | 13,050 | 900 | 2.6 | 65 | 353 |
| PH382-08 | -8 | 1.00 | 1/2 | 12.7 | 0.730 | 18.5 | 3,840 | 265 | 11,520 | 795 | 3.0 | 75 | 466 |
| PH382-10 | -10 | 1.10 | 5/8 | 16.0 | 0.880 | 22.4 | 3,400 | 235 | 10,200 | 705 | 4.5 | 115 | 612 |
| PH382-12 | -12 | 1.25 | 3/4 | 19.0 | 1.030 | 26.2 | 2,900 | 200 | 8,700 | 600 | 9.4 | 240 | 779 |
| PH382-16 | -16 | 1.40 | 1 | 25.4 | 1.260 | 32.0 | 2,200 | 150 | 6,600 | 450 | 12.6 | 320 | 966 |

Temperature Range: Continuous: -54°C to +204°C

PH370 - PTFE - CONVOLUTED HOSE

Polyhose Proprietary Product



Construction

Core Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 304/316 series of stainless steel wire

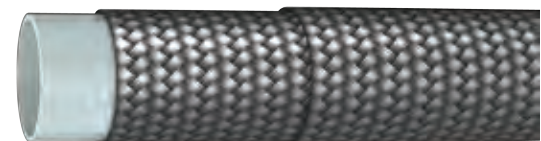
Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above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

Note: Working and burst pressure are at 20°C Temperature

| Item Code | Dash Size | WT | ID | | OD | | WP | | BP | | BR/r | | W |
|-----------|-----------|------|-------|-------|-------|------|-------|-----|--------|-----|------|-----|------|
| | | | inch | mm | inch | mm | psi | bar | psi | bar | inch | mm | g/m |
| PH370-04 | -4 | 0.75 | 1/4 | 6.60 | 0.410 | 10.4 | 2,500 | 175 | 10,000 | 700 | 0.8 | 20 | 149 |
| PH370-05 | -5 | 0.75 | 5/16 | 8.18 | 0.490 | 12.4 | 2,300 | 160 | 9,200 | 640 | 0.8 | 20 | 170 |
| PH370-06 | -6 | 0.75 | 3/8 | 9.65 | 0.540 | 13.7 | 2,200 | 150 | 8,800 | 600 | 0.8 | 20 | 182 |
| PH370-08 | -8 | 0.75 | 1/2 | 12.83 | 0.725 | 18.4 | 1,960 | 135 | 7,840 | 540 | 1.0 | 25 | 289 |
| PH370-10 | -10 | 0.80 | 5/8 | 16.00 | 0.827 | 21.0 | 1,450 | 100 | 5,800 | 400 | 2.0 | 50 | 349 |
| PH370-12 | -12 | 0.90 | 3/4 | 19.18 | 1.020 | 25.9 | 1,160 | 80 | 4,640 | 320 | 2.6 | 65 | 494 |
| PH370-14 | -14 | 1.00 | 7/8 | 22.23 | 1.170 | 29.7 | 870 | 60 | 3,480 | 240 | 3.1 | 80 | 565 |
| PH370-16 | -16 | 1.00 | 1 | 25.53 | 1.331 | 33.8 | 800 | 55 | 3,200 | 220 | 3.6 | 90 | 677 |
| PH370-20 | -20 | 1.00 | 1.1/4 | 31.88 | 1.680 | 42.7 | 665 | 45 | 2,660 | 180 | 4.4 | 110 | 891 |
| PH370-24 | -24 | 1.00 | 1.1/2 | 38.23 | 1.890 | 48.0 | 510 | 35 | 2,040 | 140 | 6.0 | 150 | 959 |
| PH370-32 | -32 | 1.10 | 2 | 50.93 | 2.420 | 61.5 | 365 | 25 | 1,460 | 100 | 8.0 | 200 | 1309 |

Temperature Range: Continuous: -54°C to +260°C

EF 382 - PTFE GAS HOSE



Construction

Core Special quality of Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Double braids of 304 series of stainless steel wire

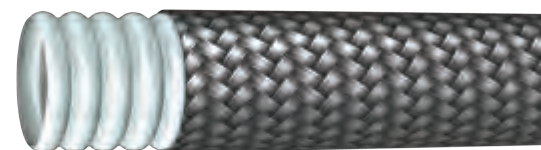
Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria Transport of cryogenic gases at high pressures

| Item Code | Dash Size | WT | ID | | OD | | WP | | BP | | BR/r | | W |
|-----------|-----------|------|------|------|-------|------|-------|-----|--------|-------|------|-----|-----|
| | | | inch | mm | inch | mm | psi | bar | psi | bar | inch | mm | g/m |
| EF382-04 | -4 | 1.00 | 1/4 | 6.4 | 0.470 | 11.9 | 5,300 | 365 | 15,900 | 1,095 | 1.6 | 40 | 236 |
| EF382-05 | -5 | 1.00 | 5/16 | 8.0 | 0.540 | 13.7 | 4,560 | 315 | 13,680 | 945 | 1.8 | 45 | 301 |
| EF382-06 | -6 | 1.00 | 3/8 | 9.5 | 0.580 | 14.7 | 4,350 | 300 | 13,050 | 900 | 2.6 | 65 | 353 |
| EF382-08 | -8 | 1.00 | 1/2 | 12.7 | 0.730 | 18.5 | 3,840 | 265 | 11,520 | 795 | 3.0 | 75 | 466 |
| EF382-10 | -10 | 1.10 | 5/8 | 16.0 | 0.880 | 22.4 | 3,400 | 235 | 10,200 | 705 | 4.5 | 115 | 612 |
| EF382-12 | -12 | 1.25 | 3/4 | 19.0 | 1.030 | 26.2 | 2,900 | 200 | 8,700 | 600 | 9.4 | 240 | 779 |
| EF382-16 | -16 | 1.40 | 1 | 25.4 | 1.260 | 32.0 | 2,200 | 150 | 6,600 | 450 | 12.6 | 320 | 966 |



Temperature Range: Continuous: -54°C to +204°C

EF 370 - PTFE - CONVOLUTED HOSE



Construction

Core Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 304/316 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 automotive, chemical, pharmaceutical & food processing, plastic & rubber molding machines. Also for some applications the tube can also be made conductive to dissipate electro-static charges

Note: Working and burst pressure are at 20°C Temperature

| Item Code | Dash Size | WT | ID | | OD | | WP | | BP | | BR/r | | W |
|-----------|-----------|------|-------|-------|-------|------|-------|-----|--------|-----|------|-----|------|
| | | | inch | mm | inch | mm | psi | bar | psi | bar | inch | mm | g/m |
| EF370-04 | -4 | 0.75 | 1/4 | 6.60 | 0.410 | 10.4 | 2,500 | 175 | 10,000 | 700 | 0.8 | 20 | 149 |
| EF370-05 | -5 | 0.75 | 5/16 | 8.18 | 0.490 | 12.4 | 2,300 | 160 | 9,200 | 640 | 0.8 | 20 | 170 |
| EF370-06 | -6 | 0.75 | 3/8 | 9.65 | 0.540 | 13.7 | 2,200 | 150 | 8,800 | 600 | 0.8 | 20 | 182 |
| EF370-08 | -8 | 0.75 | 1/2 | 12.83 | 0.725 | 18.4 | 1,960 | 135 | 7,840 | 540 | 1.0 | 25 | 289 |
| EF370-10 | -10 | 0.80 | 5/8 | 16.00 | 0.827 | 21.0 | 1,450 | 100 | 5,800 | 400 | 2.0 | 50 | 349 |
| EF370-12 | -12 | 0.90 | 3/4 | 19.18 | 1.020 | 25.9 | 1,160 | 80 | 4,640 | 320 | 2.6 | 65 | 494 |
| EF370-14 | -14 | 1.00 | 7/8 | 22.23 | 1.170 | 29.7 | 870 | 60 | 3,480 | 240 | 3.1 | 80 | 565 |
| EF370-16 | -16 | 1.00 | 1 | 25.53 | 1.331 | 33.8 | 800 | 55 | 3,200 | 220 | 3.6 | 90 | 677 |
| EF370-20 | -20 | 1.00 | 1.1/4 | 31.88 | 1.680 | 42.7 | 665 | 45 | 2,660 | 180 | 4.4 | 110 | 891 |
| EF370-24 | -24 | 1.00 | 1.1/2 | 38.23 | 1.890 | 48.0 | 510 | 35 | 2,040 | 140 | 6.0 | 150 | 959 |
| EF370-32 | -32 | 1.10 | 2 | 50.93 | 2.420 | 61.5 | 365 | 25 | 1,460 | 100 | 8.0 | 200 | 1309 |



Temperature Range: Continuous: -54°C to +260°C