

MASTERFLEX[®]

I/P[®] PUMP TUBING



ENSURE OPTIMAL PERFORMANCE FROM YOUR MASTERFLEX PUMP








- Precision extruded to meet tight tolerances
- Factory tested and optically inspected
- Engineered to comply with numerous standards and classifications
- Different formulations and sizes accommodate a wide range of applications in numerous markets

To ensure accurate flow rates and long tubing life, use only Masterflex tubing in your pump applications—accept no substitutes! Our tubing is your best choice because, unlike general-purpose commodity tubing, it is specifically designed and manufactured for use in demanding peristaltic pump applications. Masterflex tubing will help you achieve top performance from your fluid transfer system.

CONSIDER THE FOLLOWING WHEN CHOOSING TUBING:








- **Flow Rate:** Tubing size directly affects flow rate—make sure the size is appropriate for your flow requirements
- **Chemical Compatibility:** Ensure tubing formulation is compatible with the fluid you will pump. Use the helpful compatibility charts at ColeParmer.com/mflexchem
- **Tubing Life:** All Masterflex tubing is formulated for optimal performance in Masterflex pumps. See detailed tubing life and graph information at ColeParmer.com/masterflex
- **Fluid Characteristics:** Viscosity, solids, back pressure, and suction lift all affect tubing performance and selection. For applications influenced by these variables, High-Performance Precision tubing typically works best
- **Temperature:** Choose a formulation that meets your temperature needs—refer to the following pages for specifications

Masterflex Tubing Formulations

| Pump tubing formulation | Advantages | Application suitability† | | | | | | | Meets classifications | Gas permeability | Sterilization |
|---|--|--------------------------|----------|------------------|----------|--------|----------------|----------------|--|---|---|
| | | Acids | Alkalies | Organic solvents | Pressure | Vacuum | Viscous fluids | Sterile fluids | | | |
| Silicone (platinum-cured)  | Excellent biocompatibility. No leachable additives, DOP, or plasticizers; phthalate and latex-free; odorless and nontoxic, fungus-resistant. No taste imparted to transported fluids. Weather, ozone, corona, and radiation resistant. Minimal tendency to take a set. Translucent, clear to light amber. | N/R | N/R | N/R | F | G | F | E | USP Class V Extractables Exceeds Class VI Implant European Pharmacopoeia (EP 3.1.9) FDA 21 CFR 177.2600; FDA 21 CFR 210 and 211; Exceeds 3A sanitary cGMPs; REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 20,132 H ₂ : 6579 O ₂ : 7961 N ₂ : 2763 | Sterilize by EtO, autoclave, or gamma radiation. |
| Silicone (peroxide-cured)  | Excellent biocompatibility. No additives, plasticizers or DOP; odorless and nontoxic, fungus-resistant. No taste imparted to transported fluids. Weather, ozone, corona, and radiation resistant. Minimal tendency to take a set. Translucent, clear to light amber. | N/R | N/R | N/R | F | G | F | E | USP Class VI European Pharmacopoeia (EP 3.1.9) FDA 21 CFR 177.2600 Exceeds 3A sanitary standards REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 20,132 H ₂ : 6579 O ₂ : 7961 N ₂ : 2763 | Sterilize by EtO or autoclave. |
| BioPharm Silicone (platinum-cured)  | Ultra-smooth inner surface minimizes particle entrapment. Lower absorption; excellent biocompatibility; no leachable additive, DOP or plasticizers. Very low extractables. Odorless and nontoxic, fungus-resistant. No taste imparted to transported fluids. Weather, ozone, corona, and radiation resistant. Translucent, clear to light amber. | N/R | N/R | N/R | F | G | F | E | USP Class VI European Pharmacopoeia (EP 3.1.9) FDA 21 CFR 177.2600 Exceeds 3A sanitary standards REACH (non-DEHP) compliant RoHS compliant | CO ₂ : 25,147 H ₂ : — O ₂ : 4715 N ₂ : 2284 | Sterilize by EtO, autoclave, or gamma radiation. |
| BioPharm Plus Silicone (platinum-cured)  | Similar to BioPharm Silicone, plus: Longest life of any silicone pump tubing. Lower spallation than regular silicone. Enhanced pressure capability. Fungus-resistant. Nontoxic, no leachable plasticizers. Lower gas permeability than other silicones. Translucent, clear to light amber. | N/R | N/R | N/R | F | G | F | E | USP Class VI European Pharmacopoeia (EP 3.1.9) FDA 21 CFR 177.2600 Exceeds 3A sanitary standards REACH (non-DEHP) compliant RoHS compliant | CO ₂ : 25,147 H ₂ : — O ₂ : 4715 N ₂ : 2284 | Sterilize by EtO, autoclave, or gamma radiation. |
| Puri-Flex™  | Biocompatible. Heat sealable and weldable. Long pump life when compared to silicone or other TPE tubings. Low spallation when compared to silicone or some other TPE tubings. Very low protein binding. Cost effective. No halogens or phthalates. Translucent, clear to light white. | G | G | N/R | G | G | E | E | USP Class VI FDA 21 CFR 177.2600 and 177.1810 REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 1200 H ₂ : — O ₂ : 200 N ₂ : 80 | Sterilize by EtO, autoclave up to 135°C (275°F), gamma radiation up to 4.5 Mrad. |
| C-Flex®  | Physical properties similar to silicone with chemical compatibility of Tygon®. Inexpensive. Biocompatible. Heat sealable and weldable. Opaque, white. | G | G | N/R | F | G | F | E | USP Class VI European Pharmacopoeia (EP 3.2.9) REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : — H ₂ : — O ₂ : 150 N ₂ : — | Sterilize by EtO, autoclave, or gamma radiation. |
| C-Flex® ULTRA  | Physical properties similar to silicone with chemical compatibility of Tygon®. Biocompatible. Heat sealable and weldable. Longer pump life and lower spallation than C-Flex. Translucent. | G | G | N/R | F | G | F | E | USP Class VI European Pharmacopoeia (EP 3.2.9) REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 2.1 H ₂ : — O ₂ : 1.1 N ₂ : 3.4 | Sterilize by gamma radiation or one cycle of autoclave at 121°C (250°F), 1 bar (15 psi) for 30 minutes. |





†E = Excellent, G = Good, F = Fair, P = Poor, N/R = not recommended

Masterflex Tubing Formulations

| Pump tubing formulation | Advantages | Application suitability† | | | | | | | Meets classifications | Gas permeability | Sterilization |
|--|--|--------------------------|----------|------------------|----------|--------|----------------|----------------|--|---|---|
| | | Acids | Alkalies | Organic solvents | Pressure | Vacuum | Viscous fluids | Sterile fluids | | | |
|  PharMed® BPT | Great for tissue and cell work—nontoxic and nonhemolytic. Long service life (up to 10,000 hrs); reduces tubing costs and pump downtime. Opaque to UV and visible light to protect light-sensitive fluids. Low gas permeability. High-pressure 10.3 bar (150 psi) version available. Opaque, beige | G | G | N/R | G | G | E | E | USP Class VI European Pharmacopoeia (EP 3.2.9) FDA 21 CFR 177.2600 NSF-51 REACH (non-DEHP) compliant RoHS compliant | CO ₂ : 1200 H ₂ : — O ₂ : 200 N ₂ : 80 | Sterilize by EtO, autoclave, or gamma radiation up to 2.5 Mrad. |
|  PharmaPure® | Nontoxic and nonhemolytic (similar to PharMed® BPT); biocompatible. Long life even under pressure; up to 1000 hours at 2.7 bar (40 psi). Very low spallation—protects fluid purity. Low extractables. Low gas permeability. Opaque, off-white. | G | G | N/R | G | G | E | E | USP Class VI FDA 21 CFR 177.2600 European Pharmacopoeia (EP 3.2.9) REACH (non-DEHP) compliant RoHS Compliant | CO ₂ : 1200 H ₂ : — O ₂ : 200 N ₂ : 80 | Sterilize by EtO, autoclave or gamma radiation up to 2.5 Mrad. |
|  Chem-Durance® Bio | Excellent chemical resistance. Excellent life and durability under pressure. Low spallation. Plasticizer-free inner liner. High dielectric constant. Excellent biocompatibility. Opaque, beige. | E | E | G | E | E | E | E | USP Class VI FDA 21 CFR 177.2600 REACH (non-DEHP) compliant RoHS Compliant | CO ₂ : 745 H ₂ : — O ₂ : 200 N ₂ : 80 | Sterilize with ethylene oxide (EtO) radiation or autoclave. |
|  Tygon® E-LFL | Longest life of all Tygon® peristaltic tubing. Clear for easy flow monitoring. Broad chemical resistance. Nonaging, nonoxidizing. Low gas permeability. Smooth bore. Good for viscous fluids. High dielectric constant. Transparent, clear. | G | G | N/R | G | G | E | G | USP Class VI European Pharmacopoeia (EP 3.2.9) FDA 21 CFR 175.300 EU Food REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 563 H ₂ : — O ₂ : 124 N ₂ : 67 | Sterilize by EtO or autoclave. |
|  Tygon® E-Food (B-44-4X) | Designed especially for handling food products. Bore is extremely smooth (better than most stainless steels) Nontoxic, will not affect taste or odor, and clear for CIP and flow verification. Excellent nonwetting properties permit flush cleaning and complete drainage. High dielectric constant. Transparent, clear. | G | G | N/R | G | G | E | F | FDA 21 CFR 175.300 EU Food NSF-51 REACH (non-DEHP) compliant RoHS compliant ADCF compliant Meets 3A sanitary standards | CO ₂ : 270 H ₂ : 97 O ₂ : 60 N ₂ : 30 | Sterilize by EtO or autoclave. |
|  Tygon® E-Lab (E-3603) | Inexpensive tubing for general laboratory applications. Clear for easy flow monitoring. Handles virtually all inorganic chemicals. Nonaging, nonoxidizing. Low gas permeability. Good for viscous fluids. High dielectric constant. Transparent, clear. | G | G | N/R | G | G | E | P | USP Class VI FDA 21 CFR 175.300 EU Food NSF-51 REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 360 H ₂ : 97 O ₂ : 80 N ₂ : 40 | Sterilize by EtO or autoclave. |
|  Tygon® Chemical (2001) | Best chemical resistance of any Tygon® formulation. Compatible with many polar solvents. Plasticizer-free. Clear for easy flow monitoring. Low extractability. Low gas permeability. High dielectric constant. Transparent, clear. | E | E | G | G | G | E | G | FDA 21 CFR 175.300 REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 114 H ₂ : — O ₂ : 19 N ₂ : 9 | Sterilize by EtO, autoclave, or gamma radiation. |

†E = Excellent, G = Good, F = Fair, P = Poor, N/R = not recommended

Masterflex Tubing Formulations

| Pump tubing formulation | Advantages | Application suitability† | | | | | | | Meets classifications | Gas permeability | Sterilization |
|--|--|--------------------------|----------|----------------------------|----------|--------|----------------|----------------|---|---|--|
| | | Acids | Alkalies | Organic solvents | Pressure | Vacuum | Viscous fluids | Sterile fluids | | | |
| Tygon® Fuel & Lubricant (F-4040-A)  | Specially formulated to transport hydrocarbons, petroleum products, and distillates. Suitable for gasoline, kerosene, heating oils, cutting fluids, and glycol-based coolants. Minimum extractability. Low gas permeability. High dielectric constant. Transparent, yellow. | G | G | N/R | G | G | E | P | REACH (non-DEHP) compliant RoHS compliant ADCF compliant | CO ₂ : 100 H ₂ : 97 O ₂ : 22 N ₂ : 12 | Sterilization is not recommended. |
| Norprene® (A 60 G)  | Best choice for vacuum/pressure applications. Offers longest pump tubing life. Heat, ambient ozone resistant. Good resistance to acids/alkalies. Black color hides dirt and dust. Heat sealable, nonaging, and nonoxidizing. High dielectric constant. High-pressure version available. Opaque, black. | G | G | N/R | E | E | E | N/R | NSF-51 REACH (non-DEHP) compliant RoHS compliant | CO ₂ : 1200 H ₂ : — O ₂ : 200 N ₂ : 80 | Sterilize by EtO, autoclave, or gamma irradiation. |
| Norprene® Food (A 60 F)  | Similar to Norprene® but with FDA approval. Excellent for food/dairy applications. Longest life, good flow consistency. Heat and ozone resistant. Good resistance to acids/alkalies. Heat sealable, nonaging, and nonoxidizing. High dielectric constant. Opaque, beige. | G | G | N/R | E | E | E | G | FDA 21 CFR 177.2600 NSF-51 REACH (non-DEHP) compliant RoHS compliant | CO ₂ : 1200 H ₂ : — O ₂ : 200 N ₂ : 80 | Sterilize by EtO, autoclave, or gamma irradiation. |
| Viton®  | Perfect for food and lab applications where FDA compliance is required. Excellent chemical resistance. Resistant to corrosives, solvents, and oils at elevated temperatures. Low gas permeability. Opaque, black. | E | E | Variable—test before using | G | G | G | F | FDA 21 CFR 177.2600 ADCF compliant | CO ₂ : 76 to 79 H ₂ : — O ₂ : 13 to 15 N ₂ : 4.3 | Sterilization is not recommended. |

†E = Excellent, G = Good, F = Fair, P = Poor, N/R = not recommended

Masterflex Tubing Test Kit

Our FREE Tubing Test Kit is a simple way to test your chemicals against different tubing formulations. Kit contains samples of 19 different pump tubing formulations, formulation descriptions, a selection guide, instructions on how to test your tubing, and complete ordering information. Call today! Request item 00101-10.

Call or go online to request your FREE test kit today!















I/P Precision Pump Tubing

Engineered for long life in peristaltic pump

- Custom extruded to fit Masterflex pumps for optimal performance
- Lot-to-lot consistency for superior accuracy and repeatability













| Tubing size | I/P 26 | I/P 73 | I/P 82 |
|--------------------------------------|---|----------------------------------|---|
| Inner diameter (nominal) | 6.4 mm (0.25") | 9.5 mm (0.37") | 12.7 mm (0.5") |
| Hose barb size | 6.4 mm (¼") | 9.5 mm (¾") | 12.7 mm (½") |
| Flow range, approximate [†] | 0.01 to 4 LPM (0.002 to 1.1 GPM) | 0.01 to 8 LPM (0.002 to 2.1 GPM) | 0.02 to 13 LPM (0.005 to 3.5 GPM) |
| Maximum pressure [‡] | 2.7 bar (40 psi) | | 1.4 bar (20 psi) |
| Maximum vacuum [‡] | 660 mm Hg (26" Hg) | | 510 mm Hg (20" Hg) |
| Suction lift [‡] | 8.8 m H ₂ O (29 ft H ₂ O) | | 7.0 m H ₂ O (23 ft H ₂ O) |

| Pump tubing formulation | Compatible pump head |  |  |  |
|---|----------------------------|---|--|---|
| Silicone (platinum-cured)  | ✓ Standard ✓ Easy-Load® | MK-96410-26 7.6 m (25 ft)/pk | MK-96410-73 7.6 m (25 ft)/pk | MK-96410-82 7.6 m (25 ft)/pk |
| Silicone (peroxide-cured)  | ✓ Standard ✓ Easy-Load | MK-96400-26 7.6 m (25 ft)/pk | MK-96400-73 7.6 m (25 ft)/pk | MK-96400-82 7.6 m (25 ft)/pk |
| BioPharm Silicone (platinum-cured)  | ✓ Standard ✓ Easy-Load | MK-96420-26 7.6 m (25 ft)/pk | MK-96420-73 7.6 m (25 ft)/pk | MK-96420-82 7.6 m (25 ft)/pk |
| BioPharm Plus Silicone (platinum-cured)  | ✓ Standard ✓ Easy-Load | MK-96440-26 7.6 m (25 ft)/pk | MK-96440-73 7.6 m (25 ft)/pk | MK-96440-82 7.6 m (25 ft)/pk |
| Puri-Flex™  | ✓ Standard ✓ Easy-Load | MK-96419-26 7.6 m (25 ft)/pk | MK-96419-73 7.6 m (25 ft)/pk | MK-96419-82 7.6 m (25 ft)/pk |
| C-Flex®  | ✓ Standard ✓ Easy-Load | MK-06424-26 7.6 m (25 ft)/pk | MK-06424-73 7.6 m (25 ft)/pk | MK-06424-82 7.6 m (25 ft)/pk |
| C-Flex® ULTRA  | ✓ Standard ✓ Easy-Load | MK-06434-26 7.6 m (25 ft)/pk | MK-06434-73 7.6 m (25 ft)/pk | MK-06434-82 7.6 m (25 ft)/pk |
| PharMed® BPT  | ✓ Standard ✓ Easy-Load | MK-06508-26 7.6 m (25 ft)/pk | MK-06508-73 7.6 m (25 ft)/pk | MK-06508-82 7.6 m (25 ft)/pk |
| PharmaPure®  | ✓ Easy-Load | MK-06435-26 7.6 m (25 ft)/pk | MK-06435-73 7.6 m (25 ft)/pk | MK-06435-82 7.6 m (25 ft)/pk |

[†]Flow range determined under the following conditions: Using a 1 to 650 rpm drive; 0 psi at inlet, 0.5 psi at outlet; water temperature at 22°C (72°F).

[‡]Actual performance varies depending on tubing formulation—values shown are for firm tubing.

I/P Precision Pump Tubing (continued)
















| Tubing size | | I/P 26 | I/P 73 | I/P 82 |
|---|---------------------------|---|--|---|
| Inner diameter (nominal) | | 6.4 mm (0.25") | 9.5 mm (0.37") | 12.7 mm (0.5") |
| Hose barb size | | 6.4 mm (¼") | 9.5 mm (¾") | 12.7 mm (½") |
| Flow range, approximate† | | 0.01 to 4 LPM (0.002 to 1.1 GPM) | 0.01 to 8 LPM (0.002 to 2.1 GPM) | 0.02 to 13 LPM (0.005 to 3.5 GPM) |
| Maximum pressure‡ | | 2.7 bar (40 psi) | | 1.4 bar (20 psi) |
| Maximum vacuum‡ | | 660 mm Hg (26" Hg) | | 510 mm Hg (20" Hg) |
| Suction lift‡ | | 8.8 m H ₂ O (29 ft H ₂ O) | | 7.0 m H ₂ O (23 ft H ₂ O) |
| Pump tubing formulation | Compatible pump head |  |  |  |
| Chem-Durance® Bio  | ✓ Easy-Load® | MK-06442-26 15.2 m (50 ft)/pk | MK-06442-73 15.2 m (50 ft)/pk | MK-06442-82 15.2 m (50 ft)/pk |
| Tygon® E-LFL  | ✓ Standard ✓ Easy-Load | MK-06440-26 7.6 m (25 ft)/pk | MK-06440-73 7.6 m (25 ft)/pk | MK-06440-82 7.6 m (25 ft)/pk |
| Tygon E-Food (B-44-4X)  | ✓ Easy-Load | MK-06418-26 15.2 m (50 ft)/pk | MK-06418-73 15.2 m (50 ft)/pk | MK-06418-82 15.2 m (50 ft)/pk |
| Tygon E-Lab (E-3603)  | ✓ Standard ✓ Easy-Load | MK-06509-26 15.2 m (50 ft)/pk | MK-06509-73 15.2 m (50 ft)/pk | MK-06509-82 15.2 m (50 ft)/pk |
| Tygon Chemical (2001)  | ✓ Easy-Load | MK-06475-26 15.2 m (50 ft)/pk | MK-06475-73 15.2 m (50 ft)/pk | MK-06475-82 15.2 m (50 ft)/pk |
| Tygon Fuel & Lubricant (F-4040-A)  | ✓ Easy-Load | — | MK-06401-73 15.2 m (50 ft)/pk | MK-06401-82 15.2 m (50 ft)/pk |
| Norprene® (A-60 G)  | ✓ Standard ✓ Easy-Load | MK-06404-26 15.2 m (50 ft)/pk | MK-06404-73 15.2 m (50 ft)/pk | MK-06404-82 15.2 m (50 ft)/pk |
| Norprene Food (A 60 F)  | ✓ Standard ✓ Easy-Load | MK-06402-26 15.2 m (50 ft)/pk | MK-06402-73 15.2 m (50 ft)/pk | MK-06402-82 15.2 m (50 ft)/pk |
| Viton®  | ✓ Standard ✓ Easy-Load | MK-96412-26 7.6 m (25 ft)/pk | MK-96412-73 7.6 m (25 ft)/pk | — |

†Flow range determined under the following conditions: Using a 1 to 650 rpm drive; 0 psi at inlet, 0.5 psi at outlet; water temperature at 22°C (72°F).

‡Actual performance varies depending on tubing formulation—values shown are for firm tubing.

I/P High-Performance Precision Pump Tubing

Thicker wall compared to our Precision pump tubing

| Tubing size | | I/P 70 | I/P 88 | I/P 89 |
|--|-----------------------------|---|--|---|
| Inner diameter (nominal) | | 9.5 mm (0.37") | 12.7 mm (0.5") | 15.88 mm (0.62") |
| Hose barb size | | 9.5 mm (5/8") | 12.7 mm (1/2") | 15.88 mm (5/8") |
| Flow range, approximate† | | 0.01 to 8 LPM (0.002 to 2.1 GPM) | 0.02 to 17 LPM (0.005 to 4.5 GPM) | 0.03 to 19 LPM (0.007 to 5.0 GPM) |
| Maximum pressure‡ | | 2.7 bar (40 psi) | 2.4 bar (35 psi) | 1.4 bar (20 psi) |
| Maximum vacuum‡ | | 660 mm Hg (26" Hg) | | 610 mm Hg (24" Hg) |
| Suction lift‡ | | 8.8 m H ₂ O (29 ft H ₂ O) | | 8.2 m H ₂ O (27 ft H ₂ O) |
| Pump tubing formulation | Compatible pump head |  |  |  |
| Silicone (platinum-cured)  | ✓ High-Performance | MK-96510-70 3 m (10 ft)/pk | MK-96510-88 3 m (10 ft)/pk | MK-96510-89 3 m (10 ft)/pk |
| BioPharm Silicone (platinum-cured)  | ✓ High-Performance | MK-96421-70 3 m (10 ft)/pk | MK-96421-88 3 m (10 ft)/pk | MK-96421-89 3 m (10 ft)/pk |
| BioPharm Plus Silicone (platinum-cured)  | ✓ High-Performance | MK-96441-70 3 m (10 ft)/pk | MK-96441-88 3 m (10 ft)/pk | MK-96441-89 3 m (10 ft)/pk |
| Puri-Flex™  | ✓ High-Performance | MK-96419-70 3 m (10 ft)/pk | MK-96419-88 3 m (10 ft)/pk | MK-96419-89 3 m (10 ft)/pk |
| C-Flex®  | ✓ High-Performance | MK-06424-70 3 m (10 ft)/pk | MK-06424-88 3 m (10 ft)/pk | MK-06424-89 3 m (10 ft)/pk |
| PharMed® BPT  | ✓ High-Performance | MK-06508-70 7.6 m (25 ft)/pk | MK-06508-88 7.6 m (25 ft)/pk | — |
| Chem-Durance® Bio  | ✓ High-Performance | MK-06442-70 15.2 m (50 ft)/pk | MK-06442-88 7.6 m (25 ft)/pk | MK-06442-89 7.6 m (25 ft)/pk |
| Tygon® E-LFL  | ✓ High-Performance | MK-06440-70 7.6 m (25 ft)/pk | MK-06440-88 7.6 m (25 ft)/pk | MK-06440-89 7.6 m (25 ft)/pk |
| Tygon® E-Food (B-44-4X)  | ✓ High-Performance | MK-06418-70 15.2 m (50 ft)/pk | MK-06418-88 15.2 m (50 ft)/pk | MK-06418-89 15.2 m (50 ft)/pk |
| Tygon® E-Lab (E-3603)  | ✓ High-Performance | MK-06509-70 15.2 m (50 ft)/pk | MK-06509-88 15.2 m (50 ft)/pk | MK-06509-89 15.2 m (50 ft)/pk |
| Norprene® (A-60 G)  | ✓ High-Performance | MK-06404-70 7.6 m (25 ft)/pk | MK-06404-88 7.6 m (25 ft)/pk | MK-06404-89 7.6 m (25 ft)/pk |
| Norprene Food (A-60 F)  | ✓ High-Performance | — | MK-06402-88 7.6 m (25 ft)/pk | MK-06402-89 7.6 m (25 ft)/pk |

†Flow range determined under the following conditions: Using a 1 to 650 rpm drive; 0 psi at inlet, 0.5 psi at outlet; water temperature at 22°C (72°F).

‡Actual performance varies depending on tubing formulation—values shown are for firm tubing.

I/P Spooled Pump Tubing

Don't waste tubing!

- Eliminate waste by cutting to the exact length needed for your application
- Continuous lengths of tubing are convenient and cost-effective
- Spools contain up to 121.9 m (400 ft) of continuous pump tubing, depending on size
- Save space and shipping costs by buying in bulk
- Good choice for applications requiring long, continuous runs of tubing, or which use odd-size lengths that generate scrap when using standard 7.6- or 15.2-m (25- or 50-ft) coils



| Tubing size | Peroxide-cured silicone (96400-series) | Platinum-cured silicone (96410-series) | PharMed® BPT (06508-series) | BioPharm Silicone (96420-series) | C-Flex® (06424-series) |
|-------------|--|--|---------------------------------------|--|--|
| | Catalog number | Catalog number | Catalog number | Catalog number | Catalog number |
| I/P 26 | — | MK-96403-26 61 m (200 ft) | — | MK-96423-26 121.9 m (400 ft) | MK-06427-26 121.9 m (400 ft) |
| I/P 73 | MK-96402-73 45.7 m (150 ft) | MK-96403-73 45.7 m (150 ft) | MK-95687-73 45.7 m (150 ft) | MK-96423-73 30.5 m (100 ft) | MK-06427-73 30.5 m (100 ft) |
| I/P 82 | MK-96402-82 30.5 m (100 ft) | MK-96403-82 30.5 m (100 ft) | MK-95687-82 30.5 m (100 ft) | — | MK-06427-82 30.5 m (100 ft) |
| I/P 88 | — | — | — | MK-96423-88 30.5 m (100 ft) | — |
| I/P 89 | — | — | — | MK-96423-89 30.5 m (100 ft) | — |

I/P Bulk-Packed Pump Tubing

Save money and always have enough tubing on hand

- Prevent contamination—tubing coils are individually bagged and sealed
- Use as many or as few as you need, and store the rest
- Bulk packs contain ten individually bagged, sealed 7.6-m (25-ft) coils of tubing, all from a single manufacturing lot



| Tubing size | Number of 7.6-m (25-ft) bags per box | Platinum-cured silicone (96410-series) | PharMed® BPT (06508-series) | C-Flex® (06424-series) |
|-------------|--------------------------------------|--|-----------------------------|------------------------|
| | | Catalog number | Catalog number | Catalog number |
| I/P 26 | 10 | MK-96404-26 | — | MK-06436-26 |
| I/P 73 | 10 | MK-96404-73 | — | MK-06436-73 |
| I/P 82 | 10 | MK-96404-82 | MK-95691-82 | MK-06436-82 |

I/P Sanitary Pump Tubing Assemblies

- Premolded tubing ends with ½" mini-connection allow bacteria-free fluid transfer
- Ideal for biotech, pharmaceutical, food, beverage, and dairy processing applications
- Available in platinum-cured silicone and PharMed BPT, for both Precision and High-Performance Precision tubing



Contact us today for details!

For more information:

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ColeParmer.com/fluidhandling
fluidhandling@coleparmer.com

 **Cole-Parmer®**
 Delivering Solutions You Trust