

Innovalloy 8000

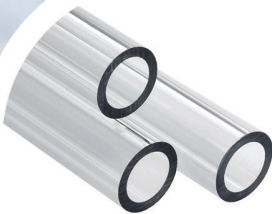


BILAYER TUBING

Special bilayer structure with inert inner layer demonstrates superior resistance against various corrosive chemicals. Clear and transparent for good observation.

FOOD

MED



Innovalloy 8000

Innovalloy 8000 co-extruded tubing combines the best properties of two dissimilar materials, providing a clear, seamless, lightweight and flexible product with important benefits. It resists attack from most solvents and is plasticizer free and REACH compliant. Innovalloy 8000 has excellent barrier characteristics along with very low gas and liquid permeability. Works well with compression and other types of push-on fittings.

Features

- Clear transparent
- Bilayer structure
- Superior chemical resistance
- Low gas permeation
- Welds with RF and conventional heat sealers
- ETO, Gamma sterilizable
- Superior pressure rating

Regulations

- REACH
- RoHs
- FDA 21CFR 177.1350

Applications

- Chemical transfer
- IVD
- Pneumatic tubing
- Lab use
- Ink printer
- Bio-pharmaceutical product transfer
- Medical tubing

Innovalloy® 8000 inventoried sizes

| Model # | Tube # | I.D. | | O.D. | | Wall thickness | | Length / Box* | |
|--------------------|--------|------|--------|-------|--------|----------------|--------|---------------|--------|
| | | (mm) | (Inch) | (mm) | (Inch) | (mm) | (Inch) | (M) | (Feet) |
| A8DO-201-0159-0476 | 14# | 1.59 | 1/16 | 4.76 | 3/16 | 1.59 | 1/16 | 15.2 | 50 |
| A8DO-201-0238-0556 | 19# | 2.38 | 3/32 | 5.56 | 7/32 | 1.59 | 1/16 | 15.2 | 50 |
| A8DO-201-0318-0635 | 16# | 3.18 | 1/8 | 6.35 | 1/4 | 1.59 | 1/16 | 15.2 | 50 |
| A8DO-201-0476-0794 | 25# | 4.76 | 3/16 | 7.94 | 5/16 | 1.59 | 1/16 | 15.2 | 50 |
| A8DO-201-0635-0953 | 17# | 6.35 | 1/4 | 9.53 | 3/8 | 1.59 | 1/16 | 15.2 | 50 |
| A8DO-201-0635-1111 | 24# | 6.35 | 1/4 | 11.11 | 7/16 | 2.38 | 3/32 | 15.2 | 50 |
| A8DO-201-0794-1111 | 18# | 7.94 | 5/16 | 11.11 | 7/16 | 1.59 | 1/16 | 15.2 | 50 |
| A8DO-201-0794-1270 | 35# | 7.94 | 5/16 | 12.70 | 1/2 | 2.38 | 3/32 | 15.2 | 50 |
| A8DO-201-0953-1429 | 36# | 9.53 | 3/8 | 14.29 | 9/16 | 2.38 | 3/32 | 15.2 | 50 |
| A8DO-201-0953-1588 | 73# | 9.53 | 3/8 | 15.88 | 5/8 | 3.18 | 1/8 | 15.2 | 50 |

*Other sizes and length can be customized

Innovalloy® 8000 typical physical properties

| Physical Properties | Test Method | Unit | Typical Value |
|-----------------------------|-------------|------|---------------|
| Color | - | | Clear |
| Shore A, 5 sec. | ISO 868 | | 80 |
| Specific gravity | ISO 2781 | | 0.94 |
| Working temperature | | C | up to 70C |
| Vapor permeability | | | Low |
| Moisture absorption | | | Low |
| Tensile strength | ASTM D412 | Mpa | 40.50 |
| Elongation at 100% | ASTM D412 | % | 500 |
| Tear strength | ASTM D624 | kN/m | 450 |
| Compression set, 70C 22hrs. | ASTM D395 B | % | 55 |
| Brittle temperature | ASTM D746 | C | -80 |

Innovalloy® 8000 chemical resistance properties

| | Innovaprene® TPO tubing | Innovafleur® FKM | Innovalloy® Bilayer tubing | Innovasil® Silicone tubing | |
|------------------------------|----------------------------|---------------------|-------------------------------|-------------------------------|--|
| Ammonia hydroxide 30% in w. | E | X | E | X | E Excellent G Good F Fair X Not recommended |
| Acetic acid, Glacial | G | X | E | X | |
| Acetone | X | X | E | F | |
| Acetic acid, 50% in w. | G | X | E | E | |
| Methanol | E | X | E | G | |
| Hydroquinol, 7% in w. | G | E | E | G | |
| Silicone oil | F | E | E | X | |
| Phosphoric acid, 25% in w. | E | E | E | X | |
| Sulphuric acid, 50% in w. | E | E | E | G | |
| Bleach liquor, 22% in w. | E | E | E | X | |
| Alcohols general | E | X | E | G | |
| Sodium hydroxide, 30% in w. | E | E | E | E | |
| Detergent | G | E | E | E | |
| Nitric acid, 35% in w. | E | F | E | X | |
| Hydrochloric acid, 37% in w. | G | G | E | X | |
| Ethanol | F | X | E | F | |

Innovalloy® 8000 chemical compatibility chart is available on www.innovapure.com or call Innovapure sales representative.



Important

It is the user's responsibility to ensure the suitability and safety of Suzhou Innovapure Co., Ltd. products for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.