

# Innovafluor K (VITON)



## FKM PERISTALTIC PUMP TUBING

Strong resistance to various chemical solvent, 60A duro, special formulated for peristaltic pump application. Innovafluor K is in black and helps protect light-sensitive fluids.

FDA 21CFR 177.2600 compliance

Food Grade



### Innovafluor K

Made of proprietary fluoroelastomer and formulated for peristaltic pump use specially, Innovafluor K is superior on pump life, low compression set, and strong resistance to chemicals. Through high temperature post treatment, all small molecular ingredient and residuals are eliminated. Thus it allows for use in applications where minimal outgassing is required.

### Features

- Black, UV resistant
- Superior chemical resistance
- Long pump life
- Food contact grade available
- Proved chemical resistance
- 60A durometer
- Customized size and length

### Regulations

FDA 21CFR 177.2600

### Applications

- Peristaltic pump
- Medical device
- Laboratory
- E/E
- Semi-conductor

## Innovafloor™ K Inventoried sizes

| Model #            | Tube # | I.D.  |        | O.D.  |        | Wall thickness |        | Length / Box* |        |
|--------------------|--------|-------|--------|-------|--------|----------------|--------|---------------|--------|
|                    |        | (mm)  | (Inch) | (mm)  | (Inch) | (mm)           | (Inch) | (M)           | (Feet) |
| FK40-201-0159-0476 | 14#    | 1.59  | 1/16   | 4.76  | 3/16   | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-0238-0556 | 19#    | 2.38  | 3/32   | 5.56  | 7/32   | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-0318-0635 | 16#    | 3.18  | 1/8    | 6.35  | 1/4    | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-0318-0794 | 120#   | 3.18  | 1/8    | 7.94  | 5/16   | 2.38           | 3/32   | 15.2          | 50     |
| FK40-201-0476-0794 | 25#    | 4.76  | 3/16   | 7.94  | 5/16   | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-0476-0953 | 15#    | 4.76  | 3/16   | 9.53  | 3/8    | 2.38           | 3/32   | 15.2          | 50     |
| FK40-201-0635-0953 | 17#    | 6.35  | 1/4    | 9.53  | 3/8    | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-0635-1111 | 24#    | 6.35  | 1/4    | 11.11 | 7/16   | 2.38           | 3/32   | 15.2          | 50     |
| FK40-201-0794-1111 | 18#    | 7.94  | 5/16   | 11.11 | 7/16   | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-0794-1270 | 35#    | 7.94  | 5/16   | 12.70 | 1/2    | 2.38           | 3/32   | 15.2          | 50     |
| FK40-201-0953-1270 | 96#    | 9.53  | 3/8    | 12.70 | 1/2    | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-0953-1429 | 36#    | 9.53  | 3/8    | 14.29 | 9/16   | 2.38           | 3/32   | 15.2          | 50     |
| FK40-201-0953-1588 | 73#    | 9.53  | 3/8    | 15.88 | 5/8    | 3.18           | 1/8    | 15.2          | 50     |
| FK40-201-1111-1429 |        | 11.11 | 7/16   | 14.29 | 9/16   | 1.59           | 1/16   | 15.2          | 50     |
| FK40-201-1270-1905 | 82#    | 12.70 | 1/2    | 19.05 | 3/4    | 3.18           | 1/8    | 15.2          | 50     |

\*Other sizes and length can be customized

## Innovafloor™ K Typical Physical Properties

| Physical Properties            | Test Method | Unit              | Typical Value |
|--------------------------------|-------------|-------------------|---------------|
| Color                          | -           |                   | Black         |
| Shore A, 5 sec.                | ISO 868     |                   | 60            |
| Specific Gravity               | ISO 2781    | g/cm <sup>3</sup> | 1.90          |
| UV Resistance                  |             |                   | Excellent     |
| Moisture Absorption            |             |                   | Low           |
| Tensile Strength at Break      | ASTM D 412  | Mpa               | 15.10         |
| Tensile Elongation, 100%       | ASTM D 412  | %                 | 405           |
| Tensile Modulus, 100%          | ASTM D 412  | MPa               | 1.75          |
| Compression Set, 200 C 22 Hrs. | ASTM D 395  | %                 | 20            |

Innovafloor™ K chemical compatibility chart is available on [www.innovapure.com](http://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.