

Viton Tubing® - aka VITUBE®



Flexible Tubing of Viton®

- Made of 100% pure Viton, a high performance synthetic rubber
- Excellent temperature resistance: -40°F to 400°F continuously; 600°F periodically
- Offers the widest range of fluid and chemical resistance of any commercial rubber
- Excellent resistance to oils, fuels, lubricants, and most mineral acids
- Also resistant to many aliphatic and aromatic hydrocarbons such as carbon tetrachloride, benzene, toluene, and xylene
- Excellent resistance to environmental exposure such as sunlight and ozone
- Available in 75 and 60 Shore A durometers (Type A and Type B)

APPLICATIONS

Appliances • Automotive Fluids • Cable Jacketing • Chemical Lines • Fuel & Oil Lines • Hot Lubrication • Model Engine Exhaust • Peristaltic Pumps • Seals & 'O'-Rings • Solvents

Physical Properties**

	Type A	Type B
Hardness, Shore A	75	60
Tensile Strength, psi	1600	1450
Elongation at Break, %	150	350
Brittle Temperature	-30°F	-40°F
Max. Operating Temperature	400°F	400°F

**Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for the application.

Tolerances

0" - .100"	±.010
.101" - .160"	±.013
.161" - .250"	±.016
.251" - .400"	±.020
.401" - .630"	±.025
.631" - 1.000"	±.032

Recommended Fittings & Clamps

- Thermobarb® - Plastic Multi-Barbed Fittings
- Thermobarb® - Brass Barbed Fittings
- Oetiker® ear type clamps
- Stainless steel worm gear clamps

Notes

VITUBE's main attributes include exceptional chemical resistance at elevated temperatures. It has withstood continuous service temperatures of 600°F for 48 hours and 500°F for 1000 hours while maintaining its mechanical properties. Care should be taken, however, at these elevated temperatures. Tests should be performed to determine application suitability.

VITUBE possesses the high resiliency of an elastomer as well as the good mechanical properties of conventional synthetic rubbers. The heat and chemical resistance factors, however, usually go far beyond the range of other rubbers.

The 60A durometer compound is specially formulated for use in peristaltic pumps. All VITUBE formulations are produced with 100% DuPont Dow Viton® fluoroelastomers (chemical name: fluorocarbon FKM) and are matte black in color. VITUBE contains no regrind material nor blends of other elastomers.

If accidental burning of VITUBE occurs, extreme caution should be taken due to Hydrogen Fluoride and other decomposition products. Avoid inhalation of vapors liberated at service temperatures above 392°F.

If your application calls for harder VITUBE, 90A durometer is available — call for details.

Call **PROFESSIONAL PLASTICS, INC.** at **(888) 995-7767** or
 E-Mail sales@proplas.com Order Online at www.professionalplastics.com

VITUBE® - Type A Product Number	Note	ID	OD	Wall	Available Lengths	Shore Hardness(±5)
2600192		.031 (1/32)	.094 (3/32)	.031 (1/32)	100, 50	75A
2600367	[B]	.031 (1/32)	.156 (5/32)	.063 (1/16)	100, 50	75A
2600542		.063 (1/16)	.125 (1/8)	.031 (1/32)	100, 50	75A
2600717	[B]	.063 (1/16)	.188 (3/16)	.063 (1/16)	100, 50	75A
2600892		.063 (1/16)	.250 (1/4)	.094 (3/32)	50	75A
2601242		.125 (1/8)	.250 (1/4)	.063 (1/16)	100, 50	75A
2601942		.188 (3/16)	.313 (5/16)	.063 (1/16)	100, 50	75A
2602817		.250 (1/4)	.375 (3/8)	.063 (1/16)	50, 25	75A
2603167		.250 (1/4)	.500 (1/2)	.125 (1/8)	50, 25	75A
2603692		.313 (5/16)	.438 (7/16)	.063 (1/16)	50, 25	75A
2603867		.375 (3/8)	.500 (1/2)	.063 (1/16)	50, 25	75A
2604042	[B]	.375 (3/8)	.563 (9/16)	.094 (3/32)	50, 25	75A
2604217	[B]	.375 (3/8)	.625 (5/8)	.125 (1/8)	25	75A
2604567	[B]	.500 (1/2)	.625 (5/8)	.063 (1/16)	25	75A
2604917	[B]	.500 (1/2)	.750 (3/4)	.125 (1/8)	25	75A
2605967		.750 (3/4)	1.000	.125 (1/8)	25	75A
2606142	[B]	.875 (7/8)	1.000	.063 (1/16)	25	75A

[B] Limited stock item; lead times and minimums apply --call for details.

Add length suffix to part number when ordering. Example: 100 ft. of 1/32" I.D. x 3/32" O.D., 75A durometer tubing is part number 260 0192-100. **ID** is the critical dimension for fittings application.

VITUBE® - Type B Product Number	Note	ID	OD	Wall	Available Lengths	Shore Hardness(±5)
2600185		.031 (1/32)	.094 (3/32)	.031 (1/32)	100, 50	60A
2600360	[B]	.031 (1/32)	.156 (5/32)	.063 (1/16)	100, 50	60A
2600535		.063 (1/16)	.125 (1/8)	.031 (1/32)	100, 50	60A
2600710		.063 (1/16)	.188 (3/16)	.063 (1/16)	100, 50	60A
2600885		.063 (1/16)	.250 (1/4)	.094 (3/32)	100, 50	60A
2601235		.125 (1/8)	.250 (1/4)	.063 (1/16)	100, 50	60A
2601410		.125 (1/8)	.313 (5/16)	.094 (3/32)	100, 50	60A
2601935		.188 (3/16)	.313 (5/16)	.063 (1/16)	100, 50	60A
2602810		.250 (1/4)	.375 (3/8)	.063 (1/16)	50, 25	60A
2602985		.250 (1/4)	.438 (7/16)	.094 (3/32)	50, 25	60A
2603160		.250 (1/4)	.500 (1/2)	.125 (1/8)	50, 25	60A
2603685		.313 (5/16)	.438 (7/16)	.063 (1/16)	50, 25	60A
2603860		.375 (3/8)	.500 (1/2)	.063 (1/16)	50, 25	60A
2604035		.375 (3/8)	.563 (9/16)	.094 (3/32)	50, 25	60A
2604210		.375 (3/8)	.625 (5/8)	.125 (1/8)	25	60A
2604560		.500 (1/2)	.625 (5/8)	.063 (1/16)	25	60A
2604910		.500 (1/2)	.750 (3/4)	.125 (1/8)	25	60A
2605085	[B]	.500 (1/2)	.875 (7/8)	.188 (3/16)	25	60A
2605785	[B]	.625 (5/8)	1.000	.188 (3/16)	25	60A
2605960		.750 (3/4)	1.000	.125 (1/8)	25	60A
2606135		.875 (7/8)	1.000	.063 (1/16)	25	60A

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