

PHARMA**FOCUS**[®]
PREMIUM

HIGH PURITY SILICONE TUBING FOR PHARMACEUTICAL AND BIOPROCESSING

PharmaFocus® Premium is a high purity silicone tubing fabricated using a premium silicone raw material specifically formulated to meet the demanding requirements of pharmaceutical and bioprocessing applications.

PharmaFocus® Premium performs in high purity fluid transfer and pump applications and allows for tubing resilience and adaptability within processes due to excellent tube flexibility. Clear tubing provides high visibility of fluid transport and versatile processing with custom cut-to-length and spooling options.

Material certificate and lot traceability are included with every product. Full Compliance Statements, available upon request:

- Extractable test results – BPOG & USP 665 (ASTC, ASTP, ASTR)
- USP Class VI (ASTC, ASTP, ASTR)
- ISO 10993 (ASTC, ASTP, ASTR)
- European Pharmacopoeia 3.1.9 (ASTC, ASTP, ASTR)
- USP 85, 87, 88, 661, 788 (ASTC, ASTP)

Benefits of PharmaFocus® Premium Silicone Tubing

- Performs in high purity fluid transfer and pump applications
- Tube resilience and adaptability due to excellent flexibility
- High visibility of fluid transport
- Versatile processing with cut-to-length and packaging
- Biocompatibility for demanding biomedical / pharmaceutical application

Typical Applications are

- Pharmaceutical and biotech processing
- Ultra-pure fluid transfer
- Single-use systems
- Tubing sets
- Peristaltic pumping
- Filling operations
- Laboratory use
- Media processing



PHARMAFOCUS® PREMIUM SILICONE TUBING

Designed to meet a wide range of performance requirements, PharmaFocus® Premium Silicone Tubing is ideal for demanding fluid transfer processes and pumping applications. These products have been specifically formulated for use with sensitive media found in pharmaceutical and biotech processing. All PharmaFocus® Premium tubing includes material certification and lot traceability.

Typical Applications:

- Pharmaceutical and biotech processing
- Ultra-pure fluid transfer
- Filling operations
- Laboratory use
- Media processing

Typical hardness: 50 Shore A

PHARMAFOCUS® PREMIUM PERISTALTIC PUMP TUBING

PharmaFocus® Premium Peristaltic Pump Tubing is a high purity silicone tubing specifically designed for peristaltic pumps and pinch valves and is ideal for demanding pumping applications. Our Peristaltic Pump Tubing undergoes a stabilization process unique to Freudenberg Medical that provides the additional benefits of superior strength, performance, and longer life.

Typical hardness: 50 Shore A

PART NUMBER	MAKE-UP / COIL (m)	ID (mm)	OD (mm)
ASTP-14	15	1.57	4.75
ASTP-16	15	3.18	6.35
ASTP-120	15	3.18	7.92
ASTP-25	15	4.75	7.92
ASTP-15	15	4.75	9.53
ASTP-123	15	4.75	11.10
ASTP-17	15	6.35	9.53
ASTP-24	15	6.35	11.10
ASTP-26	15	6.35	12.70
ASTP-35	15	7.92	12.70
ASTP-36	15	9.53	14.27
ASTP-73	15	9.53	15.88
ASTP-190	15	3.18	9.53
ASTP500-4	15	12.70	19.05
ASTP-88	15	12.70	22.23
ASTP-184	15	15.88	22.23
ASTP-191	15	19.05	28.58
ASTP-90	15	19.05	31.75
ASTP-92	15	25.40	34.93

Amesil ASTC/ASTR/ASTP products now offered by Freudenberg Medical

All PharmaFocus® Premium tubing includes material certification and lot traceability.

PART NUMBER	MAKE-UP / COIL (m)	ID (mm)	OD (mm)
ASTC093-2A50	15	2.36	5.54
ASTC125-2A50	15	3.18	6.35
ASTC125-3A50	15	3.18	7.92
ASTC125-4A50	15	3.18	9.53
ASTC156-2A50	15	3.96	7.14
ASTC156-3A50	15	3.96	8.71
ASTC156-4A50	15	3.96	10.31
ASTC187-2A50	15	4.75	7.92
ASTC187-3A50	15	4.75	9.53
ASTC187-4A50	15	4.75	11.10
ASTC250-2A50	15	6.35	9.53
ASTC250-3A50	15	6.35	11.10
ASTC250-4A50	15	6.35	12.70
ASTC250-5A50	15	6.35	15.88
ASTC312-2A50	15	7.92	11.10
ASTC312-3A50	15	7.92	12.70
ASTC312-4A50	15	7.92	14.27
ASTC375-2A50	15	9.53	12.70
ASTC375-3A50	15	9.53	14.27
ASTC375-4A50	15	9.53	15.88
ASTC375-5A50	15	9.53	19.05
ASTC500-2A50	15	12.70	15.88
ASTC500-3A50	15	12.70	17.45
ASTC500-4A50	15	12.70	19.05
ASTC500-5A50	15	12.70	22.23
ASTC562-3A50	15	14.27	19.05
ASTC625-4A50	15	15.88	22.23
ASTC750-4A50	15	19.05	25.40
ASTC750-5A50	15	19.05	28.58
ASTC750-6A50	15	19.05	31.75
ASTC875-4A50	15	22.23	28.58
ASTC875-5A50	15	22.23	31.75
ASTC1000-4A50	15	25.40	31.75
ASTC1000-5A50	15	25.40	34.93

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PHARMAFOCUS® PREMIUM REINFORCED TUBING

PharmaFocus® Premium Reinforced Silicone Tubing is available with single-braid reinforcement for enhanced performance in high pressure and vacuum applications. All reinforced silicone tubing is manufactured with an inner layer of platinum-cured silicone for ultra-pure fluid transfer and meets a diverse range of pharmaceutical and bioprocessing applications.

Engineered with superior flexibility, our premium tubing allows for excellent resilience and bend radius. To meet a diverse range of application needs, PharmaFocus® Premium Reinforced Tubing is constructed to prevent kinking and compression and can withstand extreme temperature and pressure. All PharmaFocus® Premium tubing includes material certification and lot traceability.

Typical hardness: 65 Shore A

PART NUMBER	MAKE-UP / COIL (m)	ID (mm)	OD (mm)
ASTR187-A65	15	4.75	10.34
ASTR250-A65	15	6.35	12.45
ASTR312-A65	15	7.92	15.04
ASTR375-A65	15	9.53	15.88
ASTR500-A65	15	12.70	20.32
ASTR625-A65	15	15.88	24.51
ASTR750-A65	15	19.05	27.94
ASTR875-A65	15	22.23	31.37
ASTR1000-A65	15	25.40	34.54
ASTR375-A65MW	15	9.53	16.71
ASTR375-A65HW	15	9.53	17.45

Typical Applications:

- Pharmaceutical and biotech processing
- High volume ultra-pure fluid transfer
- Purification processes
- High pressure and bulk liquid transfers
- Load Cells
- Skid transfer
- Process lines

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Freudenberg Medical manufactures products exclusively for the medical and pharmaceutical industry. This focus enables us to understand and rapidly and efficiently fulfill our customers' precise requirements. Our capabilities as a supplier and partner in the development of products and solutions are distinguished by exceptional flexibility and innovation.

We are your global partner for the design, development and production of innovative medical technology and combination products. Our portfolio is comprised of complex medical components and catheter solutions for minimally invasive devices. We are a leading manufacturer not only in the field of precision molded components and tubing in silicone and thermoplastics, but also in coating technologies, metal hypotubes and combination products.

Freudenberg Medical is a part of the Freudenberg Group, a technology group with a tradition reaching back over 165 years and a provider of innovative products for more than 30 market segments around the globe.

In our daily work, both our corporation and individual employees are committed to upholding the values for which we all stand:

- Value for customers
- Innovation
- Leadership
- People
- Responsibility and
- Long term orientation

As a development partner, we ensure that every innovation project our customers entrust to us is realized and led to commercial success by our unique combination of technical expertise, a global R&D network, financial stability and enormous flexibility.

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