APSH Braid-Reinforced Silicone Hose

Platinum-Cured

Tech Sheet

Low volatile grade, platinum-cured silicone hose is clean-room produced for critical pharmaceutical, biomedical, cosmetic, and food applications. Polyester yarn braiding inside the wall enhances pressure capabilities. APSH has undergone extensive physical, chemical, and biological testing and meets USP Class VI, FDA CFR 177.2600, ISO 10993, European Pharmacopoeia 3.1.9, and 3-A standards.

APSH is not intended for implantation and is not to be used for continuous steam applications.

SILICONE

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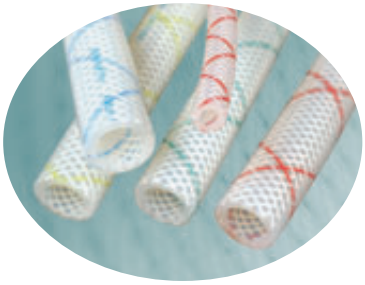
Key Features

- Hardness value of 65 Shore A (validatable core: 70A; cover: 60A)
- Extremely flexible
- General temperature range: -100°F (-73.3°C) to 400°F (204.4°C)
- Sterilizable by autoclave, CIP, SIP, and gamma radiation processes
- Low volatile grade suitable for pharmaceutical and biomedical applications
- Core made of silicone certified by the National Sanitation Foundation for food equipment materials (NSF-51)
- Resists temperature extremes, compression set, chemical attack, ozone, radiation, moisture, and environmental exposure
- Imparts no taste or odor to critical streams
- Stocked in 25 and 50 ft. coils
- Manufactured and packaged in a Class 7 (Class 10,000) ISO-certified clean room
- Documented lot traceable with identification on bags
- Documented quality control
- Complete validation package available upon request
- Color tracer braid available for easy identification
- Custom lengths, sizes, special cleaning, and/or packaging available



AdvantaPure® NewAge Industries

Purity in Fluid Flow Systems®

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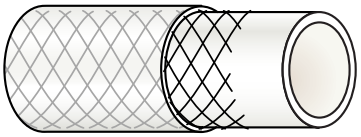

Specifications

Product Number	Nominal I.D. (in.)	Nominal I.D. (mm)	Wall (in.)	Wall (mm)	O.D. (in.)	O.D. (mm)	Working Pressure at 70°F (21.1°C) (PSI)	Working Pressure at 70°F (21.1°C) (Bar)	Burst Pressure* at 70°F (21.1°C) (PSI)	Burst Pressure* at 70°F (21.1°C) (Bar)	Minimum Bend Radius (in.)	Minimum Bend Radius (mm)	Weight per Foot / Meter (lb.)	Weight per Foot / Meter (kg)
APSH-P-0063	.063	1.59	.105	2.67	.282	7.16	200	13.79	775	53.44	CF	CF	.031	.046
APSH-P-0125	.125	3.18	.120	3.05	.375	9.53	175	12.07	700	48.27	CF	CF	.051	.076
APSH-P-0188	.188	4.76	.130	3.30	.462	11.73	170	11.72	650	44.82	CF	CF	.073	.109
APSH-P-0250	.250	6.35	.125	3.17	.500	12.70	140	9.65	550	37.92	1	25.4	.077	.115
APSH-P-0375	.375	9.53	.125	3.17	.625	15.88	140	9.65	550	37.92	1	25.4	.102	.152
APSH-P-0500	.500	12.70	.187	4.75	.875	22.23	105	7.24	420	28.96	3	76.2	.211	.314
APSH-P-0625	.625	15.88	.170	4.32	.990	25.15	100	6.90	400	27.58	3	76.2	.241	.359
APSH-P-0750	.750	19.05	.175	4.45	1.125	28.58	90	6.21	350	24.13	4	101.6	.287	.427
APSH-P-0875	.875	22.23	.180	4.57	1.260	32.00	65	4.48	250	17.24	5	127.0	.336	.500
APSH-P-1000	1.000	25.40	.190	4.83	1.405	35.69	60	4.14	225	15.51	6	152.4	.401	.597

Sold by standard coil length only; 25 or 50 feet available for all sizes. Add length suffix code to product number when ordering—see the Coil Length Legend at right for length suffix codes. Example: 50 ft. of .250 in. I.D. hose is product number APSH-P-0250L.
Coils are supplied in heat-sealed polybags and bulk packed. Contact your AdvantaPure Sales Representative for other packaging options.
*For every 100°F of temperature over 70°F (up to 400°F), reduce the burst pressure by 10%.
CF = Consult factory

Coil Length Legend:

P = 25 feet
L = 50 feet

NOTE: When products are used as part of an assembly, the pressure ratings of fittings may be less than hose pressure ratings above. Please consult your sales representative.

SILICONE

Purity in Fluid Flow Systems®

Made in U.S.A.

APSH is part of a complete line of products for the Pharmaceutical, Biomedical, Cosmetic, and Food industries. Items available include . . .

- Platinum-cured silicone tubing and mandrel-wrapped, platinum-cured silicone suction hose
- Stainless steel overbraided PTFE hose; rubber-covered FEP and EPDM hose
- Sanitary fittings and complete hose assemblies including molded silicone ends
- Identification solutions including the Hose Track® Process Equipment ID & Lifecycle Analysis System
- Silicone injection molding capabilities – manifolds, stoppers, and sealing systems for single use processes