



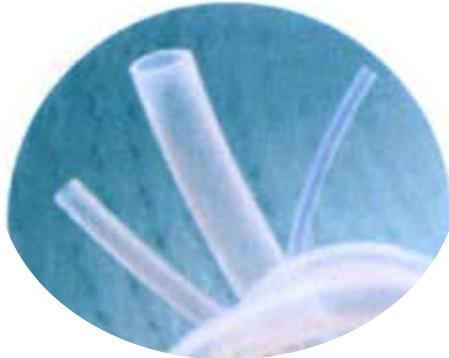
# Silicone hose & Fittings



Sanitary  
flow  
equipment

# APST UNREINFORCED SILICONE TUBING

TRANSLUCENT, PLATINUM-CURED



Low-volatile grade, platinum-cured silicone tubing is clean-room produced for critical pharmaceutical, biomedical, cosmetic, and food applications. APST 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 3A standards.

APST Unreinforced Silicone Tubing is not intended for implantation, continuous steam applications, or elevated pressure levels.

## Specification

Product Number	Nominal I.D.		Wall		O.D.		Standard Available Length (ft.)
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	
APST-0030-0160	.030	.76	.065	1.65	.160	4.06	25, 50
APST-0063-0188	.063	1.59	.063	1.59	.188	4.76	25, 50, 100
APST-0094-0219	.094	2.38	.063	1.59	.219	5.56	100
APST-0125-0250	.125	3.18	.063	1.59	.250	6.35	25, 50, 100
APST-0156-0281	.156	3.97	.063	1.59	.281	7.14	100
APST-0188-0313	.188	4.76	.063	1.59	.313	7.94	25, 50, 100
APST-0250-0375	.250	6.35	.063	1.59	.375	9.53	25, 50, 100
APST-0313-0438	.313	7.94	.063	1.59	.438	11.11	25, 50, 100
APST-0375-0500	.375	9.53	.063	1.59	.500	12.70	25, 50, 100
APST-0500-0625	.500	12.70	.063	1.59	.625	15.88	50
APST-0500-0750	.500	12.70	.125	3.18	.750	19.50	25, 50, 100
APST-0625-0875	.625	15.88	.125	3.18	.875	22.23	25, 50, 100
APST-0750-1000	.750	19.05	.125	3.18	1.000	25.40	25, 50, 100
APST-0875-1125	.875	22.23	.125	3.18	1.125	28.58	25, 50
APST-1000-1250	1.000	25.40	.125	3.18	1.250	31.75	25, 50

Sold by standard coil length only; 25 or 50 feet available for all sizes. Coils are supplied in heat-sealed polybags and bulk packed.

\* For every 100°F of temperature over 70°F (up to 400°F), reduce the burst pressure by 10%. CF = Consult factory

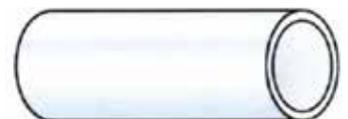
## Key Features

- ⦿ Hardness value of 50 Shore A
- ⦿ Extremely flexible
- ⦿ General temperature range: - 100°F (-73.3°C) to 400°F (204.4°C)
- ⦿ Sterilizable by autoclave or gamma radiation
- ⦿ Low volatile grade suitable for pharmaceutical and biomedical applications
- ⦿ Certified free of animal-derived ingredients

## Available Assembly

- ⦿ HOSE BARB ONLY

APST



# APSH BRAID-REINFORCED SILICONE HOSE

## PLATINUM-CURED



Designed for fitting flexible silicone hoses straight from the client without the need for special lengths. Offering both benefits of cost as well as simplicity of use, the connectors and clamping ring nuts can be reused again and again simply by re-heading or renewing the flexible hose when necessary. To clamp the flexible hose, apply pressure to the plastic external collar over the thread of the internal stainless steel connector. PLASTIC RE-FLEX connections are not suitable for attaching to hose with a diameter or thickness other than those listed in the table. APSH with plastic re-usable collar is not intended to be used for temperature >60°C and pressure >6 bar.

## Specification

Product Number	Nominal I.D.		Wall		O.D.		Working Pressure at 70°F (21.1°C)		Burst Pressure* at 70°F (21.1°C)		Minimum Bend Radius		Weight per Foot / Meter	
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(PSI)	(Bar)	(PSI.)	(Bar)	(in.)	(mm)	(lb.)	(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

Coils are supplied in heat-sealed polybags and bulk packed.

\* For every 100°F of temperature over 70°F (up to 400°F), reduce the burst pressure by 10%.  
CF = Consult factory

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.

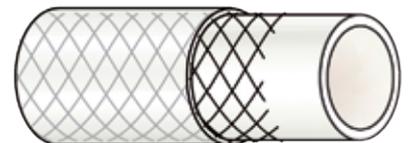
## Available Assembly

- ⊙ PLASTIC REUSABLE
- ⊙ STAINLESS STEEL REUSABLE
- ⊙ SS RADIAL CRIMPED

## Key Features

- ⊙ Hardness value of 65 Shore A
- ⊙ 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
- ⊙ Stocked in 25 and 50 ft. coils
- ⊙ Manufactured and packaged in a Class 7 (Class 10,000) ISO-certified clean room

## APSH



# APSM 4-PLY MANDREL-WRAPPED SILICONE HOSE

## PLATINUM-CURED



Low volatile grade, platinum-cured silicone hose, clean-room produced for critical pharmaceutical, biomedical, cosmetic, and food applications, comprises the core of APSM. The core is then slipped onto a mandrel and wrapped with polyester mesh fabric and additional silicone. It is cured into a homogeneous hose to enhance its pressure capabilities, making it ideal for discharge applications. APSM 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.

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

## Specification

Product Number	I.D.		O.D.		Working Pressure at 70°F (21.1°C)		Burst Pressure at 70°F (21.1°C)		Minimum Bend Radius	Weight per Foot / Meter	
	(in.)	(mm)	(in.)	(mm)	(PSI)	(Bar)	(PSI)	(Bar)	(in.)	(lb)	(Kg)
APSM-P-0500	.500	12.70	.920	23.36	150	10.3	600	41.4	2.5	.281	.418
APSM-P-0750	.750	19.05	1.17	29.71	150	10.3	600	41.4	4.5	.359	.534
APSM-P-1000	1.000	25.40	1.42	36.06	150	10.3	600	41.4	9.0	.438	.652
APSM-P-1500	1.500	38.10	1.92	48.76	150	10.3	600	41.4	12.0	.685	1.019
APSM-P-2000	2.000	50.80	2.42	61.46	125	8.6	500	34.5	CF	.875	1.302
APSM-P-2500	2.500	63.50	2.92	74.16	125	8.6	500	34.5	CF	1.050	1.562
APSM-P-3000	3.000	76.20	3.42	86.86	100	6.9	400	27.6	CF	1.230	1.830

\* For every 100°F of temperature over 70°F, reduce the burst pressure by 5%.  
 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.

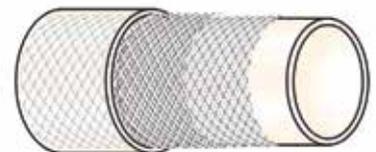
## Available Assembly

- ⦿ STAINLESS STEEL REUSABLE
- ⦿ SS RADIAL CRIMPED

## Key Features

- ⦿ Hardness value of 70 Shore A
- ⦿ General temperature range: - 100°F (-73.3°C) to 400°F (204.4°C)
- ⦿ Sterilizable by autoclave, CIP, SIP, and gamma radiation processes
- ⦿ Stocked in 12 ft. straight lengths
- ⦿ Wrapped in clear polyethylene at manufacture to ensure cleanliness
- ⦿ Documented lot traceable with identification on bags

# APSM



# APSW 4-PLY, WIRE-REINFORCED, MANDREL-WRAPPED, SILICONE SUCTION HOSE

## PLATINUM-CURED:SMOOTH

The core is then slipped onto a mandrel and wrapped with polyester mesh fabric, 316 stainless steel reinforcing wire, and additional silicone. It is cured into a homogeneous hose to enhance its pressure and vacuum capabilities. APSW 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.

APSW is not intended to be used for continuous steam applications.



## Specification

Product Number	I.D.		O.D.		Vacuum Rating (Hg.) at 130°F(54.4°C)	Working Pressure at 70°F (21.1°C)		Burst Pressure at 70°F (21.1°C)		Min. Bend Radius (in.)	Weight per Foot / Meter	
	(in.)	(mm)	(in.)	(mm) (reference)		(PSI)	(Bar)	(PSI)	(Bar)		(lb)	(Kg)
APSW-P-0500	.500	12.70	.910	23.11	29.9	150	10.3	600	41.4	2.0	.281	.418
APSW-P-0750	.750	19.05	1.16	29.46	29.9	150	10.3	600	41.4	2.5	.359	.534
APSW-P-1000	1.000	25.40	1.41	35.81	29.9	150	10.3	600	41.4	3.5	.438	.652
APSW-P-1500	1.500	38.10	1.91	48.51	29.9	150	10.3	600	41.4	4.0	.685	1.019
APSW-P-2000	2.000	50.80	2.41	61.21	29.9	125	8.6	500	34.5	6.0	.875	1.302
APSW-P-2500	2.500	63.50	2.91	73.91	29.9	125	8.6	500	34.5	11.0	1.050	1.562
APSW-P-3000	3.000	76.20	3.41	86.61	CF	100	6.9	400	27.6	13.0	1.230	1.830
APSW-P-4000	4.000	101.60	4.41	112.01	CF	100	6.9	400	27.6	CF	1.710	2.545

## Available Assembly

- ⦿ RADIAL CRIMPED ONLY

## Key Features

- ⦿ Low volatile grade silicone suitable for pharmaceutical, biomedical, cosmetic, and food applications such as ultrapure water transfer, food processing, washdown stations, skid systems, and other suction and discharge uses
- ⦿ Hardness value of 70 Shore A
- ⦿ Rated for full vacuum
- ⦿ General temperature range: - 100°F (-73.3°C) to 400°F (204.4°C)
- ⦿ Sterilizable by autoclave, CIP, SIP, and gamma radiation processes
- ⦿ Stocked in 12 ft. straight lengths

Total Traceability  
text information to suit customer's requirements

Stainless steel  
Heat Number

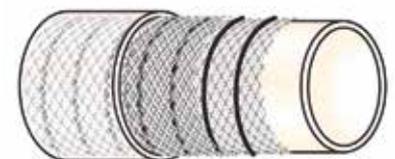


Silicone hose lot number

Assembly data



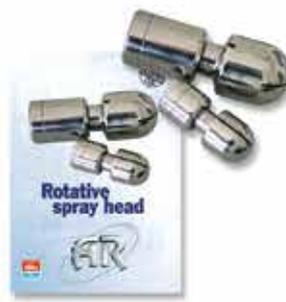
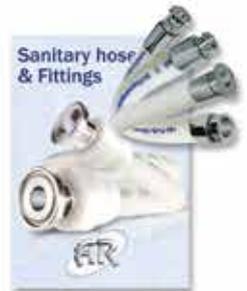
APSW



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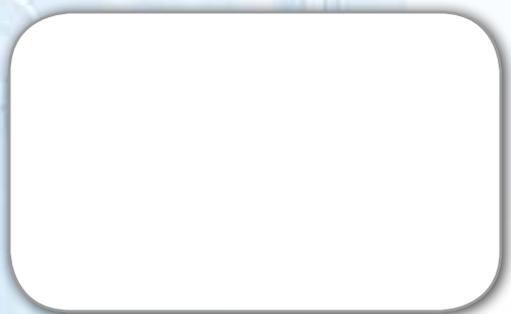
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# Sanitary flow equipment

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