

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.



SILICONE
www.advantapure.com

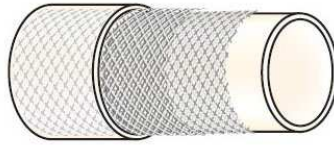
KEY FEATURES

- Low volatile grade silicone suitable for pharmaceutical, biomedical, cosmetic, and food applications
- Core made of NSF 51 listed silicone (National Sanitation Foundation)
- Hardness value of 70 Shore A
- Durable and heavy duty, yet flexible
- General temperature range: -100°F (-73.3°C) to 400°F (204.4°C)
- Sterilizable by autoclave, CIP, SIP, and gamma radiation processes
- Resists temperature extremes, compression set, chemical attack, ozone, radiation, moisture, and environmental exposure
- Imparts no taste or odor to critical streams
- Stocked in 12 ft. straight lengths
- Manufactured under good manufacturing procedures in a tightly-controlled environment
- Wrapped in clear polyethylene at manufacture to ensure cleanliness
- Documented lot traceable with identification on bags
- Documented quality control
- Complete validation package available upon request
- Formed elbows (90 or 45 degree) and coils available upon request
- Custom lengths, sizes, colors, special cleaning, and/or packaging available (lead times and minimum order quantities may apply – call for details)



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SPECIFICATIONS

Product Number	I.D.		O.D.		Working Pressure		Burst Pressure*		Minimum Bend Radius (in.)	Weight per	
	(in.)	(mm)	(in.)	(mm)	at 70°F (21.1°C) (PSI)	at 70°F (21.1°C) (Bar)	at 70°F (21.1°C) (PSI)	at 70°F (21.1°C) (Bar)		Foot / Meter	(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
APSM-P-4000	4.000	101.60	4.42	112.26	100	6.9	400	27.6	CF	CF	CF

Wall dimensions for all sizes and styles: .21"; 5.34mm

CF = Consult Factory

*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.

SILICONE

Purity in Fluid Flow Systems®

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

- Unreinforced, 50 Shore A, platinum-cured silicone tubing
- Braid-reinforced, platinum-cured silicone hose
- Wire and mesh reinforced, 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

