

**Silicone Platinum Cured Tubing  
FDA-USP VI Clean-Room Double Pack**

**APST**



Low-volatile grade, platinum-cured silicone tubing is clean-room produced for critical pharmaceutical, biopharm, cosmetic and food applications. AdvantaSil 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 3-A standards. Full BPOG standardized extractables test protocol (six extraction solvents, tested to four different exposure times, out to 70 days) has been performed by a fully-accredited, third-party test lab.

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



**KEY FEATURES**

- Particulated testing per USP 788 is performed quarterly
- All assembly and final packaging of extruded tubing is performed in a ISO Class 7 clean room
- Low volatile grade silicone suitable for pharmaceutical and biopharm applications
- AdvantaSil APST has a Master File with the U.S. Food and Drug Administration (#26598)
- Certified free of animal-derived ingredients
- General temperature range: -100°F (-73.3°C) to 400°F (204.4°C)
- Resists temperature extremes, compression set, chemical attack, ozone, radiation, moisture and environmental exposure
- Sterilizable by autoclave or gamma radiation
- Available with validated sterility assurance of 10<sup>-6</sup> via gamma irradiation per ISO 11137 method Vdmax 25
- Documented lot traceable with identification on bags
- Documented quality control





## SPECIFICATIONS

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Wall		Working Pres. at 70°F (21.1°C)		Standard Length (Ft.)
	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	
APST-0030-0160	0.030	0.76	0.160	4.06	0.065	1.65	53	3.7	50
APST-0063-0125	0.063	1.59	0.125	3.18	0.031	0.79	22	1.5	50
APST-0063-0188	0.063	1.59	0.188	4.76	0.063	1.59	33	2.3	50
APST-0078-0141*	0.078	1.98	0.141	3.58	0.031	0.79	17	1.2	50
APST-0094-0219	0.094	2.38	0.219	5.56	0.063	1.59	25	1.7	100
APST-0094-0281	0.094	2.38	0.281	7.14	0.094	2.38	34	2.3	100
APST-0125-0250	0.125	3.18	0.250	6.35	0.063	1.59	23	1.6	50, 100, 500 spool
APST-0125-0313	0.125	3.18	0.313	7.94	0.094	2.38	29	2.0	50
APST-0125-0375*	0.125	3.18	0.375	9.53	0.125	3.18	37	2.6	50
APST-0156-0281*	0.156	3.97	0.281	7.14	0.063	1.59	not available		100
APST-0156-0406	0.156	3.97	0.406	10.31	0.125	3.18	33	2.3	50
APST-0188-0313	0.188	4.76	0.313	7.94	0.063	1.59	16	1.1	50
APST-0188-0375*	0.188	4.76	0.375	9.53	0.094	2.38	21	1.4	50
APST-0188-0438	0.188	4.76	0.438	11.11	0.125	3.18	25	1.7	50
APST-0250-0375	0.250	6.35	0.375	9.53	0.063	1.59	13	0.9	50, 100
APST-0250-0438	0.250	6.35	0.438	11.11	0.094	2.38	18	1.2	50, 100, 300 spool
APST-0250-0500	0.250	6.35	0.500	12.70	0.125	3.18	22	1.5	50, 100
APST-0313-0375	0.313	7.94	0.375	9.53	0.031	0.79	not available		50, 100
APST-0313-0438	0.313	7.94	0.438	11.11	0.063	1.59	11	0.8	25, 50
APST-0313-0500	0.313	7.94	0.500	12.70	0.094	2.38	17	1.2	50, 100
APST-0313-0563*	0.313	7.94	0.563	14.30	0.125	3.18	21	1.4	50, 100
APST-0375-0500	0.375	9.53	0.500	12.70	0.063	1.59	10	0.7	50, 100
APST-0375-0563	0.375	9.53	0.563	14.30	0.094	2.38	16	1.1	50, 100
APST-0375-0625	0.375	9.53	0.625	15.88	0.125	3.18	16	1.1	25, 50, 100, 150 spool



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APST-0500-0625*	0.500	12.70	0.625	15.88	0.063	1.59	not available		50
APST-0500-0688	0.500	12.70	0.688	17.48	0.094	2.38	11	0.8	50
APST-0500-0750	0.500	12.70	0.750	19.05	0.125	3.18	12	0.8	50, 100
APST-0625-0875	0.625	15.88	0.875	22.23	0.125	3.18	11	0.8	50, 100
APST-0625-1000	0.625	15.88	1.000	25.40	0.188	4.76	16	1.1	25, 50
APST-0750-1000	0.750	19.05	1.000	25.40	0.125	3.18	10	0.7	50, 100
APST-0750-1125*	0.750	19.05	1.125	28.58	0.188	4.76	14	1.0	25, 50
APST-0875-1000	0.875	22.23	1.000	25.40	0.063	1.59	not available		50
APST-1000-1250	1.000	25.40	1.250	31.75	0.125	3.18	8	0.6	50
APST-1000-1375	1.000	25.40	1.375	34.93	0.188	4.76	11	0.9	25, 50
APST-1000-1500*	1.000	25.40	1.500	38.10	0.250	6.35	13	0.9	50

Sold by standard coil length only. Add length suffix code to product number when ordering - see the **Coil Length Legend** at right for length suffix codes.

Example: 25 ft. of 0.030" I.D. x 0.160" O.D. tubing is product number APST-0030-0160P.

Non-listed sizes and custom lengths are available by special order.

Working pressures are calculated from burst testing using a 3:1 safety factor.

Application testing is recommended.

Coils and spools are supplied double bagged in heat-sealed polybags and bulk packed. Contact your AdvantaPure Sales Representative for other packaging options.

**Notes Legend:**

\*Limited stock availability, lead times and minimums may apply - call for details.

†Available in longer lengths on spools - call for details.

### Coil Length Legend:

P = 25 feet

L = 50 feet

K = 100 feet

### Similar Tubes

High Pressure Unreinforced Silicone Tubing	APHP
Ultra Low Temperature Silicone Tubing	APLT
Unreinforced Tubing	APST
Platinum Cured Silicone Tube	IPST
Platinum Cured Medical Grade Silicone Tubing	Med-X
Platinum Cured Tube	SPST

### Molded Single-Use Manifold Assemblies

AdvantaPure specializes in the design and manufacture of molded Single-Use manifold assemblies for sampling and storage applications. These assemblies are available in AdvantaSil APST or AdvantaFlex® biopharmaceutical grade TPE.

Molded manifolds help eliminate the need for barbed fittings while providing a seamless transition from tubing to connection. Molded connections eliminate the risk of leaks, contamination and failures caused by barbed fitting connections.

Designs range from simple molded sanitary ends to complex configurations with varying lengths of tubing and several molded connections.




## AdvantaFlex®

BioPharmaceutical Grade Tubing

AdvantaFlex addresses the need for a flexible, sterilizable, mold-able, weldable and heat seal-able biopharmaceutical tubing without silicone oils.

AdvantaFlex maintains its physical properties following sterilization processes, remains translucent for visible product flow and does not become gummy. The tubing resists kinking and is an excellent component for Single-Use systems.



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