



AdvantaFlex是AdvantaPure開發出新一代的TPE (thermoplastic elastomer) 管，適合應用於生物製藥產業的液體傳輸。

AdvantaFlex可以滿足需要彈性、透明、可滅菌、可塑形、可熱封、可無菌熔接的生物製藥液體處理需求。於滅菌後AdvantaFlex仍可保有其特性，並擁有如同蠕動管的功能。



TPE
www.advantapure.com

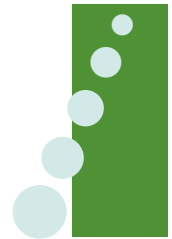
產品特點

- 於蠕動泵的應用上有優異的使用壽命
- 可無菌熔接與熱封口
- 現在有無洩漏molded接口可選擇
- 採用FDA認可材料
- 相較於矽膠更低吸附、低吸收
- 不含矽油與動物來源成分
- 可使用濕熱滅菌或照射滅菌—available with **validated sterility assurance** of 10^{-6} log reduction per ISO 11137 method VDmax
- 符合ISO與USP class VI規範
- 符合歐洲藥典3.2.21規範
- 相較於矽膠較低透氣性
- 內部平滑，提供極佳的流速表現
- 透明，可觀察液體於管內流動
- 一次性產品最佳的管件選擇
- 內徑自1/8" (.125) 至1" (1.000)
- 可客製化尺寸、長度、包裝
- 包裝於袋子中
- 包裝標示具可追溯性的批號號碼
- 簡化確校需求，如果同時需要使用熔接管子與蠕動泵液體輸送的需求，AdvantaFlex是最佳的選擇。
- 可依需求申請Extractables確校文件



MOLDED
ASSEMBLIES &
CONNECTIONS
NOW AVAILABLE!

There is a ^{better} alternative



SPECIFICATIONS

Product Number	Notes	I.D.		Wall		O.D.		Working Pressure at 70°F (21.1°C)		Standard Available Length (ft.)
		(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	
APAF-BP-0125-0250	‡	.125	3.18	.063	1.59	.250	6.35	30	2.1	50, 100
APAF-BP-0188-0313	‡	.188	4.76	.063	1.59	.313	7.94	23	1.6	50, 100
APAF-BP-0188-0375	†	.188	4.76	.094	2.38	.375	9.52	32	2.2	50, 100
APAF-BP-0250-0375	‡	.250	6.35	.063	1.59	.375	9.52	20	1.4	50, 100
APAF-BP-0250-0438	‡	.250	6.35	.094	2.38	.438	11.11	23	1.6	50, 100
APAF-BP-0250-0500	‡	.250	6.35	.125	3.18	.500	12.70	30	2.1	50, 100
APAF-BP-0313-0438	‡	.313	7.94	.063	1.59	.438	11.11	21	1.4	50, 100
APAF-BP-0313-0500	‡	.313	7.94	.094	2.38	.500	12.70	24	1.6	50, 100
APAF-BP-0375-0500	‡	.375	9.52	.063	1.59	.500	12.70	18	1.3	50, 100
APAF-BP-0375-0625	‡	.375	9.52	.125	3.18	.625	15.88	24	1.6	50, 100
APAF-BP-0500-0750	‡	.500	12.70	.125	3.18	.750	19.05	22	1.5	50, 100
APAF-BP-0625-0875	‡	.625	15.88	.125	3.18	.875	22.23	18	1.3	50, 100
APAF-BP-0750-1000	‡	.750	19.05	.125	3.18	1.000	25.40	17	1.2	50, 100
APAF-BP-0750-1125	‡	.750	19.05	.188	4.76	1.125	28.58	18	1.3	50, 100
APAF-BP-1000-1375	‡	1.000	25.40	.188	4.76	1.375	34.93	18	1.3	25

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: 50 ft. of .125 in. I.D. x .250 in. O.D. tubing is product number APAF-BP-0125-0250L. Coils are supplied in heat-sealed polybags and bulk packed. Contact your AdvantaPure Sales Representative for other packaging options.

Coil Length Legend:

P = 25 feet
L = 50 feet
K = 100 feet

Notes Legend:

† Available in other lengths on spools—call for details.
‡ Certain lengths available double bagged—call for details.

TPLE

應用

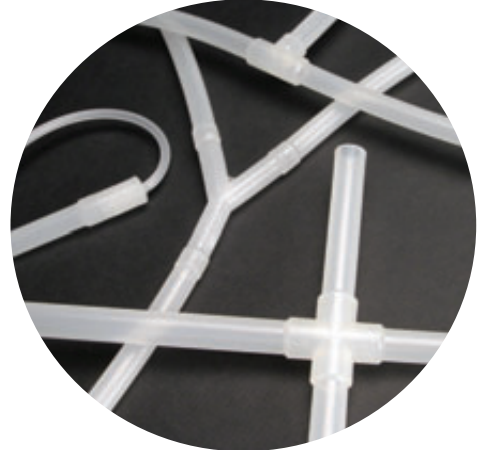
- 無菌充填
- 疫苗生產
- 製藥取樣與運送系統
- 蠕動泵傳輸液體
- 一次性系統
- 發酵槽製程
- 培養基，收細胞，發酵
- 製藥生產與製程
- 高純度純水傳輸
- 過濾



■ Because of its ability to be sealed and welded, AdvantaFlex is ideal for filling and sampling applications.

鑄模管件 & 接頭

- 以AdvantaFlex製作完全一次性使用的管件組
- 無須矽膠管管件
- 減少鼠尾接頭管件與束帶使用，降低汙染、洩漏風險
- 鑄模流路，提供內徑一致的流路，可以給予一致的流速
- 可以選擇T、Y、十字、reducer、mini TC、TC、BioClosure container closure
- 可依據ISO11137 VDMmax法提供 10^6 log滅菌確校保證



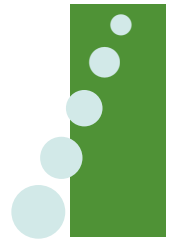
- 可製造符合GL45規格的內蓋

- 可無菌熔接與熱封口



- AdvantaFlex可應用於蠕動泵上

TPE



PHYSICAL PROPERTIES

Specific Gravity	.89
Hardness, Shore A \pm 5	65
Ultimate Tensile Strength, PSI	2167
Ultimate Elongation, %	948
Tensile Modulus @ 100%, PSI	364
Tear Strength, Die B, PPI	350
Compression Set, Method B, 22 hours @ 23°C at 25% deflection, %	9.9
最大操作溫度, °C	135
脆化溫度, °C	-35

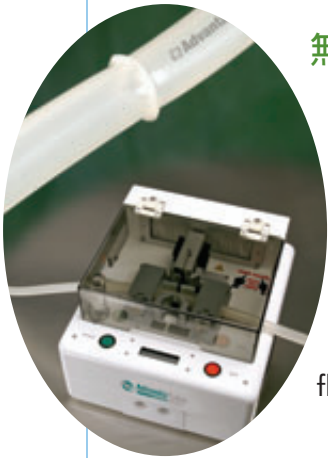
Discover how much better the *right* tubing — AdvantaFlex — will work in your pharmaceutical, biotech, medical, or other critical processing application.



無菌熔接 & 熱封口 ADVANTAFLEX

- The AdvantaTube® Welder makes sterile tubing welds quickly and reliably. Developed for bio-pharmaceutical applications, it has been designed to optimally work in all AdvantaFlex tubing applications including wet, dry, or fluid filled tubing.

- Sealing AdvantaFlex tubing is fast and easy with the AdvantaTube® Sealer. It offers a compact design, simple operation, and portability — use the 10 foot cable to seal at the location that's convenient for you.



TPF

Purity in Fluid Flow Systems®



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AdvantaPURE
NEWAGE INDUSTRIES



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for Your Benefit

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