

CellGyn™ Bioprocess Tubing

CellGyn™ thermoplastic tubing is designed specifically for the most demanding biopharmaceutical applications. It is ideal for use in peristaltic pumps, single-use assemblies, process filling, and sampling devices and is compatible with **tube sealers** and **aseptic tube welders**. CellGyn™ is exceptionally clear and has superior mechanical and barrier properties. It has extremely **low extractables** and is among the purest TPE's available today.

CellGyn™ Bioprocess Tubing Features

Excellent with Heat Welders/Sealers

Superior Clarity

Excellent Gas Barrier Properties

Low Permeability

Resistant to Acids and Alkaline

Low Platelet Adhesion and Protein Binding

Non-Pyrogenic, Non-Cytotoxic

Non-Hemolic

Safe Disposal through Incineration

Kink Resistant

Applications:

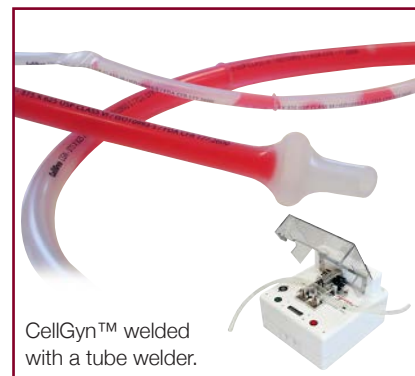
- Cell Culture Media
- Cell Fermentation
- Reagent Dispensing
- Sterile Filling
- Peristaltic Pumps
- Pinch Valves
- Diagnostic Equipment

Agency Ratings:

- USP Class VI
- ISO 10993 Part (S) 4/5
- REACH Compliant
- RoHs Compliant
- Animal Derived Ingredient Free

Sterilization:

- Gamma Irradiation
- ETO
- Autoclave



This information provided by TBL Performance Plastics is deemed to be accurate; however, it should be used only as a general reference to aid in product selection. Please note: a material's properties may be affected greatly by temperature, operating pressure, concentration, and the presence of other chemicals. Ultimately, the consumer must determine the compatibility of any material based on tests done under their particular process conditions.

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Available Sizes

CellGyn™ Part #	AdvantaFlex® Cross Reference	C-Flex® Cross Reference	ID	OD	Wall
CGN-125x250	APAF-BP-0125-250	072-125-2	1/8"	1/4"	1/16"
CGN-187x312	APAF-BP-0188-0313	072-188-2	3/16"	5/16"	1/16"
CGN-187x375	APAF-BP-0188-0375		3/16"	3/8"	3/32"
CGN-250x375		072-250-2	1/4"	3/8"	1/16"
CGN-250x437	APAF-BP-0250-0438	072-250-3	1/4"	7/16"	3/32"
CGN-250x500	APAF-BP-0250-0500	072-250-4	1/4"	1/2"	1/8"
CGN-312x437	APAF-BP-0313-0438		5/16"	7/16"	1/16"
CGN-312x500	APAF-BP-0313-0500	072-313-3	5/16"	1/2"	3/32"
CGN-375x500	APAF-BP-0375-0500	072-375-2	3/8"	1/2"	1/16"
CGN-375x562		072-375-3	3/8"	9/16"	3/32"
CGN-375x625	APAF-BP-0375-0625	072-375-4	3/8"	5/8"	1/16"
CGN-500x750	APAF-BP-0500-0750	072-500-4	1/2"	3/4"	1/8"
CGN-625x875	APAF-BP-0625-0875	072-625-4	5/8"	7/8"	1/8"
CGN-750-1000	APAF-BP-0750-1000	072-750-4	3/4"	1"	1/8"
CGN-750x1125	APAF-BP-0750-1125	072-750-6	3/4"	1 1/8"	3/16"
CGN-1000x1250		072-750-8	1"	1 1/4"	1/8"
CGN-1000x1375	APAF-BP-1000-1375	072-1000-6	1"	1 3/8"	3/16"

Available in 50 and 100 foot lengths, custom packaging available upon request. AdvantaFlex is a registered trademark of Newage Industries. C-Flex is a registered trademark of Saint Gobain.

Properties

Physical	Typical Value (English)	Typical Values (SI)	Test Method
Specific Gravity	0.89	0.888 g/cm ³	ASTM D792
Hardness (Shore A, at 10 Sec)	68	68	ASTM D2240

Tensile Stress ^{2,3}

100% Strain, 73 °F (23 °C)	390 psi	2.69 MPa	ASTM D412
300% Strain, 73 °F (23 °C)	660 psi	4.55 MPa	ASTM D412
Tensile Strength ^{2,3} (Break 73 °F (23 °C))	870 psi	6.00 MPa	ASTM D412
Tensile Elongation ^{2,3} (Break 73 °F (23 °C))	510%	510%	ASTM D412

Compression Set

72 °F (22 °C), 22.0 Hours	17%	17%	ASTM D395B
158°F (70 °C), 22.0 Hours	58%	58%	ASTM D395B
212 °F (100 °C) 22.0 Hours	69%	69%	ASTM D395B