



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



CellGyn™ Bioprocess Tubing

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



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