Cleargreen® Pure

Tubing for Advanced Therapies

Cleargreen®Pure has been formulated specifically to advance the standard of Polyvinyl chloride (PVC) tubing used in Blood Collection and Cell and Gene Therapy. PVC remains the standard in these applications. Cleargreen®Pure addresses the need for a DEHP free, gamma stable and is compatible with aseptic welders and sealers. It has been extensively studied, for its superior toxicologi-cal and physiochemical profile.

Features

- Animal derivative free
- DEHP free
- Non-phthalate (TOTM plasticized)
- BPA free
- Gamma stable
- Compatible with aseptic welding and sealing machines.
- Crystal clear

Compliance*

- Biocompatability - USP Class VI <87>, <88>, ISO10993-5
- Endotoxin - USP <85>
- Hemocompatibility - ISO 10993-4
- Material characterization - USP <661.1>
- Particles - USP <788>
- Weldability – Particle shedding / intrusion / tensile
- EC, 1907 / 2006 (REACH)
- Extractable data - USP<665>

Applications

Pharmaceutical Processing	Medical Device
Cell culture expression	Blood collection
Cell harvesting	IV solutions
Cell separation and washing	Chemotherapy drug delivery
Media transfer	Dialysis equipment

Sterilization

- Gamma (<45 kGy)
- E-beam
- Ethylene oxide (ETO)

***** Please visit our website for additional literature, regulatory information, and other technical resources: **sanisure.com/resources**

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
• Density / Specific gravity	1.8	g/cm^3	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
• Tensile strength (100% Strain)	5.31	MPa	ASTM D638
• Tensile strength (break)	15.0	MPa	ASTM D638
• Tensile elongation (break)	410	%	ASTM D638
Mechanical	**Nominal Value**	**Unit**	
Durometer hardness			
• 15 sec. operating stand	65	Shore A	ASTM D2240
• 15 sec. hand held	70	Shore A	ASTM D2240

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Sizing Chart

Part Number	ID	OD	Standard Length (FT)	Working Pressure (psi)*	Vacuum Rating (hg)	Bend Radius (in)
CGP-032X062-100	1/32″	1/16″	100			
CGP-032X093-100	1/32″	3/32″	100			
CGP-062X125-100	1/16″	1/8″	100	55	29.5	0.250
CGP-093X156-100	3/32″	5/32″	100	40	29.5	0.375
CGP-118X161-100	.118″	.161″	100			1.000
CGP-120X170-100	.120″	.170″	100″			
CGP-125X187-100	1/8″	3/16″	100	30	25	0.333
CGP-125X250-100	1/8″	1/4″	100	55	29.5	0.375
CGP-156X218-100	5/32″	7/32″	100	25	15	0.750
CGP-156X250-100	5/32″	1/4″	100			
CGP-187X312-50	3/16″	5/16″	50	40	29.5	0.625
CGP-187X375-50	3/16″	3/8″	50	55	29.5	0.125
CGP-187X437-50	3/16″	7/16″	50	70	29.5	0.750
CGP-250X375-50	1/4″	3/8″	50	30	25	1.000
CGP-250X437-50	1/4″	7/16″	50	45	29.5	0.750
CGP-250X500-50	1/4″	1/2″	50	55	29.5	0.625
CGP-312X437-50	5/16″	7/16″	50	25	15	1.375
CGP-375X500-50	3/8″	1/2″	50	20	10	1.750
CGP-375X562-50	3/8″	9/16″	50	30	25	1.375
CGP-375X625-50	3/8″	5/8″	.50″	40	29.5	1.125
CGP-500X625-50	1/2″	5/8″	50	18	6	2.875
CGP-500X687-50	1/2″	11/16″	50	25	15	2.125
CGP-500X750-50	1/2″	3/4″	50	30	25	1.750
CGP-500X1000-50	1/2″	1″	50			
CGP-562X750-50	9/16″	3/4″	50	20	10	2.500
CGP-625X875-50	5/8″	7/8″	50	25	15	2.375
CGP-625X1000-50	5/8″	1″	50			
CGP-750X1000-50	3/4″	1″	50	20	10	3.250
CGP-750X1062-50	3/4″	1-1/16″	50			
CGP-750X1125-50	3/4″	1-1/8″	50			
CGP-875X1125-50	7/8″	1-1/8″	50	20	8	4.125
CGP-1000X1125-50	1″	1-1/8″	50			
CGP-1000X1250-50	1″	1-1/4″	50	18	5	5.125
CGP-1000X1375-50	1″	1-3/8″	50			

Notes

*Safety factor of 5:1 ratio of burst pressure to working pressure.

Custom package lengths available on request.

For missing table values, please consult the factory.

Cleargreen® Pure has a 3 years shelf life non sterile.