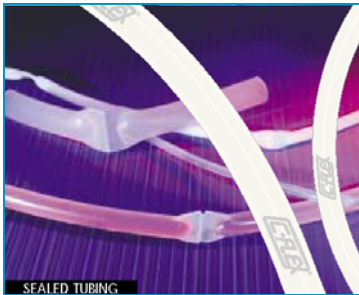




THERMOPLASTIC ELASTOMER



C-Flex® is a unique, patented thermoplastic elastomer specifically designed to meet the critical demands of the medical, pharmaceutical, research, biotech and diagnostics industries. CPT has been providing C-Flex Biopharmaceutical tubing for nearly twenty years to many of the world's leading biotech and pharmaceutical processing companies.

NEW ADCF FORMULA

C-Flex Series 374 Tubing is now available. This is the first Class VI, TPE tubing for biopharmaceutical applications that is free of any animal derived components. The new 374 formula has all the physical, biocompatibility properties and performance characteristics as the C-Flex you've used for over 20 years.

BIOPHARMACEUTICAL PRODUCTS

TUBING FOR BIOTECH & BIOPHARMACEUTICAL APPLICATIONS

Features

- Complies with USP 24/NF19, Class VI, FDA and USDA Standards
Manufactured under strict GMPs in an FDA registered facility
Non-pyrogenic, non-cytotoxic, non-hemolytic
Chemically resistant to concentrated acids and alkalis
Significantly less permeable than silicone
Low platelet adhesion
Low protein binding
Ultra smooth inner bore
Available in clear or opaque formulations
Lot traceable
Safer disposal through incineration

Benefits

- Superior to PVC and silicone for many applications
Longer peristaltic pump life
Significantly less TOC extractables than PVC
Heat sealable, bondable and formable
Remains flexible from -50°F to 275°F
Moderate cost compared to other tubing products
Sterilizable by radiation, ETO, autoclave or chemicals
Custom formulations available from 5 to 95 Shore A hardness
Meets FDA requirements for direct food contact



321 Irving Drive
Oxnard, CA 93030
(800) 726-4835
www.sani-techwest.com

C-FLEX[®] SPECIFICATIONS

SELECTION GUIDE			
CPT Tubing Catalog #	Feet Per Coil	ID x OD x Wall (in decimals)	ID x OD (in fractions)
xxx-031-1	50	.031 x .094 x .031	1/32 x 3/32
xxx-063-1	50	.063 x .125 x .031	1/16 x 1/8
xxx-063-2	50	.063 x .188 x .062	1/16 x 3/16
xxx-125-2	50	.125 x .250 x .062	1/8 x 1/4
xxx-188-2	50	.188 x .313 x .062	3/16 x 5/16
xxx-188-3	50	.188 x .375 x .094	3/16 x 3/8
xxx-250-2	50	.250 x .375 x .062	1/4 x 3/8
xxx-250-3	50	.250 x .438 x .094	1/4 x 7/16
xxx-250-4	50	.250 x .500 x .125	1/4 x 1/2
xxx-313-3	50	.313 x .500 x .093	5/16 x 1/2
xxx-375-2	50	.375 x .500 x .062	3/8 x 1/2
xxx-375-3	50	.375 x .563 x .094	3/8 x 9/16
xxx-375-4	50	.375 x .625 x .125	3/8 x 5/8
xxx-500-3	50	.500 x .625 x .062	1/2 x 5/8
xxx-500-4	50	.500 x .750 x .125	1/2 x 3/4
xxx-625-4	50	.625 x .875 x .125	5/8 x 7/8
xxx-750-4	15	.750 x 1.00 x .125	3/4 x 1
xxx-750-6	15	.750 x 1.125 x .188	3/4 x 1 1/8
xxx-750-8	15	.750 x 1.250 x .250	3/4 x 1 1/4
xxx-1000-6	15	1.00 x 1.375 x .188	1 x 1 3/8
xxx-1000-8	15	1.00 x 1.500 x .250	1 x 1 1/2

FORMULAS: (xxx)

001 - Opaque, 50A Durometer

050 - Clear, 50A Durometer

072 - Opaque, 60A Durometer

082 - Clear, 62A Durometer

374—NEW Clear, 62A Durometer

PHYSICAL PROPERTIES					
Formulation	001	050	072	082	NEW 374
Durometer, Shore A (5 SEC. ASTM D-2240)	50	50	60	62	62
Appearance	Opaque	Clear	Opaque	Clear	Clear
Tensile Strength, psi (ASTM D-412)	1317	1146	1462	1020	1030
Elongation, % (ASTM D-412)	725	828	679	680	690
Tension Set, % at break	64	73	75	90	95
Tear Resistance, lb/in., Die C/Die B	180	180	180	175	175
Compression Set Constant Defl., "B"(22 hrs. @ 70°C), %	67	53	60	57	57
Specific Gravity (ASTM D-792)	0.90	0.90	0.90	0.90	0.90
Brittle Point, °F (ASTM D-746)	-100	-87	-100	-88	-88

Applications

- Cell culture media
- Cell fermentation
- Diagnostic equipment
- Pharmaceutical production
- Vaccine production
- Pinch valves
- Laboratory research
- High purity water
- Reagent dispensing
- Medical fluid/drug delivery
- Dialysis, cardiac by-pass
- Botanical product production
- Peristaltic pump segments
- Sterile filling & dispensing systems

Chemical Compatibility

- Acids, dilute/weak - Acceptable
- Acids, strong/concentrated - Acceptable
- Bases, dilute/weak - Acceptable
- Bases, strong/concentrated - Acceptable
- Salts - Acceptable
- Alcohols - Not Recommended
- Milk Products (<4% fat), Acceptable
- Organic Solvents - Not Recommended
- Oil/Water Emulsions - Test



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