

CFPO (Cary Flexible Polyolefin)

Cary Industries CFPO is a polyolefin heat shrinkable tubing that recovers to 50% of its original diameter when heated. During shrinking the tubing will encapsulate the covered item. Typical uses include splices, wire bundling, markers, harnessing, stress relief, terminations, etc. CFP is rated for a continuous operating temperature from -55C (-67F) to 135C (275F) and withstands elevated temperatures to 300C (572F) for short periods. Minimum shrink temperature is 121C (250F), temperatures in excess of 175C (347F) may tend to destroy the effectiveness of the tubing. Offers excellent chemical, corrosion, oil and heat resistance.

Ordering Size	Minimum Expanded ID		Maximum Recovered ID		Nominal Recovered Wall		Standard Spool	4' length Ft/package
	Inch	mm	Inch	mm	Inch	mm		
3/64"	.046	1.2	.023	0.6	.016	.40	1000	200
1/16"	.063	1.6	.031	0.8	.017	.43	1000	200
3/32"	.093	2.4	.046	1.2	.020	.51	500	200
1/8"	.125	3.2	.062	1.6	.020	.51	500	200
3/16"	.187	4.8	.093	2.4	.020	.51	500	200
1/4"	.250	6.4	.125	3.2	.025	.64	250	100
5/16" (B & C)	.312	7.9	.156	4.0	.025	.64	500	-
3/8"	.375	9.5	.187	4.8	.025	.64	200	100
1/2"	.500	12.7	.250	6.4	.025	.64	150	100
5/8" (B & C)	.625	15.9	.313	7.9	.025	.64	200	-
3/4"	.750	19.1	.375	9.5	.030	.76	250	100
1"	1.000	25.4	.500	12.7	.035	.89	200	60
1 1/2"	1.500	38.1	.750	19.1	.040	1.02	200	40
2"	2.000	50.8	1.000	25.4	.045	1.14	200	40
3"	3.000	76.2	1.500	38.1	.050	1.27	200	40
4"	4.000	101.6	2.000	50.8	.055	1.40	200	40

Mil-I-23053/5 Class 1 and 2 (Clear) UL-224 125C VW-1 AMS 3636 3637(Clear) CSA

Standard Colors: Black, White, Clear, Red, Yellow, Blue, Green. \$1.00 charge for non-standard spools

CFPO Technical Data

Physical

Tensile Strength	2400 PSI
Ultimate Elongation	400%
Longitudinal Change	+/-5%
Secant Modulus	1.7 X 10(4) PSI
Specific Gravity	1.3 (Black) .93 (Clear)
Heat Aging (336 Hrs @ 175C)	Elongation 175%
Heat Shock (4 Hrs @ 250C)	No dripping, cracking passes mandrel wrap test
Low Temperature Flexibility (4Hrs @ -55C)	110
Flammability	No cracking Self Extinguishing meets UL 224 All-Tubing flame test

Electrical

Dielectric Strength	900V/mil
Volume Resistance	10(15) ohm-cm

Chemical

Corrosive Effect	Non-corrosive
Solvent Resistance: Tensile Strength	1000 PSI
Dielectric Strength	400 V/mil
Water Absorption	0.2%
Fungus Resistance	Non Nutrient

Mil Spec Information

Mil-I-23053/5-

101	3/64"
102	1/16"
103	3/32"
104	1/8"
105	3/16"
106	1/4"
107	3/8"
108	1/2"
109	3/4"
110	1"
111	1-1/2"
112	2"
113	3"
114	4"

(200 series Clear)