

Tubing Selection Guide

PRODUCT			Polyolefin	Fluoropolymer	Elastomer	Operating Temperature °C / °F		Min. shrink temperature (°C)	Min. full recovery temperature (°C)	Shrink ratio
Single Wall	Very flexible	LSTT	•			-40 to 125	[-40 to 257]	65	110	2:1
		Versafit	•			-55 to 135	[-67 to 275]	70	90	2:1
		Versafit V2	•			-30 to 125	[-22 to 257]	70	90	2:1
		Versafit V4	•			-30 to 125	[-22 to 257]	70	90	2:1
	Flexible	CGPE-105	•			-70 to 105	[-94 to 221]	85	110	2:1
		CGPT	•			-40 to 135	[-40 to 275]	80	120	2:1
		DCPT	•			-55 to 135	[-67 to 275]	95	120	2:1
		RNF-100	•			-55 to 135	[-67 to 275]	95	121	2:1
		RNF-3000	•			-55 to 135	[-67 to 275]	80	120	3:1
		RP-4800	•			-55 to 135	[-67 to 275]	95	121	4:1
		TUGA	•			-55 to 125	[-67 to 257]	85	110	2:1
		CRN	•			-55 to 135	[-67 to 275]	110	135	2:1
Dual wall [adhesive-and encapsulant-lined]	Semirigid	RT-3	•			-55 to 135	[-67 to 275]	110	135	2.5:1
		ATUM	•			-55 to 110	[-67 to 230]	80	110	3:1
		DWP-125	•			-40 to 110	[-40 to 230]	80	125	3:1
		HTAT	•			-55 to 125	[-67 to 257]	80	110	4:1
	Flexible	RPPM	•			-40 to 85	[-40 to 185]	60	80	4:1
		TAT-125	•			-55 to 110	[-67 to 230]	95	121	2:1
	Semirigid	ES1000	•			-40 to 130	[-40 to 266]	110	135	4:1
		ES2000	•			-40 to 130	[-40 to 266]	110	135	4:1
	Heavy Duty	FL2500	•			-40 to 135	[-40 to 275]	110	135	4:1
		SCL	•			-55 to 110	[-67 to 230]	125	135	3:1
		SCT	•			-40 to 150	[-40 to 302]	110	135	4:1
		BSTS	•			-55 to 90	[-67 to 194]	90	121	3:1
Special Purpose	Elastomers	HF	•			-55 to 90	[-67 to 194]	80	121	3:1
		HRHF/HRNF/HRSR	•			-55 to 90	[-67 to 194]	80	121	5.6:1
		RHW	•			-55 to 110	[-67 to 230]	110	125	3:1
		RMW	•			-55 to 110	[-67 to 230]	110	125	3:1
		SST	•			-55 to 90	[-67 to 194]	90	121	3:1
		DR-25		•		-75 to 150	[-103 to 302]	150	175	2:1
		NT		•		-55 to 90	[-67 to 194]	90	135	2:1
		NT-MIL		•		-70 to 121	[-94 to 250]	90	135	2:1
		NTFR		•		-70 to 121	[-94 to 250]	90	135	2:1
		SFR		•		-75 to 180	[-103 to 356]	135	175	1.75:1
		SRFR		•		-75 to 200	[-103 to 392]	135	175	1.5:1
		Viton		•		-40 to 200	[-40 to 392]	100	175	2:1
	Fluoropolymers	Viton-HW		•		-40 to 200	[-40 to 392]	100	175	2:1
		Viton-E		•		-55 to 200	[-67 to 392]	100	175	2:1
		Viton-TW		•		-40 to 200	[-40 to 392]	100	175	2:1
		RNF-150		•		-55 to 150	[-67 to 302]	110	150	2:1
		RT-375		•		-55 to 150	[-67 to 302]	125	150	2:1
		RT555		•		-65 to 200	[-85 to 392]	150	220	2:1
		RW-175		•		-55 to 175	[-67 to 347]	155	175	2:1
		TFE and TFE-R		•		-67 to 250	[-89 to 482]	330	340	1.8:1/ 3.2:1
	Medical-grade	MT1000		•		-55 to 175	[-67 to 347]	155	175	2:1
		MT2000	•			-40 to 105	[-40 to 221]	110	140	2.5:1
		MT3000		•		-55 to 150	[-67 to 302]	110	150	2:1
		MT5000	•			-70 to 105	[-94 to 221]	90	110	2:1
	MicroFit	MFT-RW-175		•		-55 to 175	[-67 to 347]	155	175	2.5:1
		MFT-MT1000		•		-55 to 125	[-67 to 257]	155	175	2.5:1
		MFT-MT2000	•			-40 to 105	[-40 to 221]	110	140	2.5:1
	Caps	ES Caps	•			-40 to 105	[-40 to 221]	100	135	4:1
		PD Caps	•			-55 to 110	[-67 to 230]	125	135	3:1
	Conduit	HCTE		•		-55 to 200	[-67 to 392]	N/A	N/A	N/A
	Kits	RayBlock 85	•			-40 to 85	[-40 to 185]	80	110	4:1
		RayBlock 105	•			-40 to 105	[-40 to 221]	80	110	4:1
	Low Toxicity	XFFR	•			-55 to 105	[-67 to 221]	70	121	3:1
		ZH-100	•			-30 to 105	[-22 to 221]	80	120	2:1
	Edging Matl	ZHTM	•			-30 to 105	[-22 to 221]	80	121	2:1
		Rayrim	•			-55 to 80	[-67 to 176]	120	150	N/A
	Fiber & Fabric	HFT 5000				-40 to 125	[-40 to 257]	80	110	2:1
	Braids	RF-PET				-50 to 150	[-58 to 302]	N/A	N/A	N/A
		RF-PFR				-50 to 150	[-58 to 302]	N/A	N/A	N/A
		RF-PETM				-50 to 150	[-58 to 302]	N/A	N/A	N/A

*For specific MIL-Spec information for each product, refer to individual product pages or the Tubing Cross-Reference Guide on page 3-6.

**Sizes 9/3 through 70/21 only. †Clear is not flame-retardant

Tubing Selection Guide (Continued)

Size range (inside diameter as supplied)	Colored	Clear	Flame- retardant	UL 224	CSA	VW-1 (UL/CSA)	MIL Spec*	USP Class VI	ABS	UL D486**	DESCRIPTION
1.6 mm to 38 mm	•	•									Non-flame-retardant polyolefin
3/64" to 4"	•		•	•	•	•	•				Highly flame-retardant, multi-spec polyolefin
1 mm to 30 mm	•		•	•	•	•					Highly flame-retardant polyolefin
3/64" to 1"	•		•	•	•	•					Very-thin-wall, highly flame-retardant polyolefin
1 mm to 10 mm	•		•	•	•	•					
3/64" to 1"	•	•									Brightly colored, general purpose polyolefin
1.6 mm to 38 mm	•	•	•	•	•						General purpose, flame-retardant polyolefin†
3 mm to 38 mm	•		•	•	•						Green and yellow striped polyolefin
3/64" to 5"	•	•	•	•	•		•				High-performance flexible polyolefin†
1.5 mm to 39 mm	•	•	•	•	•		•				3:1 shrink ratio general-purpose polyolefin†
3/4" to 4.5"	•		•	•			•				4:1 shrink ratio polyolefin
1.2 mm to 38 mm	•	•									Brightly colored, tough polyolefin
3/64" to 3/4"	•	•	•	•	•		•				Flame-retardant polyolefin†
.240" to .485"	•		•	•	•						Semirigid polyolefin for terminal insulation
3 mm to 40 mm	•	•	•	•			•				3:1 and 4:1 shrink ratio adhesive-lined polyolefin†
4 mm to 52 mm	•		•	•							
1/8" to 1"	•		•	•	•						3:1 shrink ratio adhesive-lined polyolefin
4 mm to 48 mm	•		•								High-temperature adhesive-lined polyolefin
4 mm to 16 mm	•	•									Dual wall, moisture-proof polyolefin
1/8" to 1 1/2"	•	•	•	•			•				2:1 adhesive-lined polyolefin†
.225" to .700"	•	•		•							Clear high-shrink-ratio adhesive-lined polyolefin
.225" to .700"	•		•	•							Flame-retardant adhesive-lined polyolefin
.300" to .700"	•		•								Fully flame-retardant, adhesive-lined polyolefin
1/8" to 1"	•			•			•				3:1 shrink ratio encapsulant-lined polyolefin
.300" to .700"	•		•								High-temperature adhesive-lined polyolefin
.3" to 4.5"	•		•						•		Rugged, general purpose, thick-wall polyolefin
.4" to 2.7"	•		•						•		Highly flexible, thick-wall polyolefin
.6" to 4"	•		•						•		High-shrink-ratio repair sleeve
9 mm to 180 mm	•									•	Heavy wall adhesive-lined polyolefin
10 mm to 180 mm	•										Medium wall polyolefin
.3" to 4.5"	•		•				•		•		Self-sealing, dual wall polyolefin
1/8" to 3"	•		•				•				Diesel-resistant elastomer
1/8" to 4"	•		•	•	•						Flexible general-purpose modified elastomer
1/8" to 4"	•		•				•				Flexible rugged modified elastomer
1/8" to 3"	•		•				•				Very flexible rugged neoprene
1/4" to 2"	•		•				•				Very flexible silicone
2.9 mm to 51 mm	•		•	•		•					Very flexible silicone rubber
1/8" to 2"	•		•				•				High-temperature flexible elastomer
1/8" to 2"	•		•				•				Heavy-walled Viton elastomer
1/8" to 2"	•		•				•				High-temperature flexible elastomer
1/8" to 2"	•		•				•				High-temperature flexible elastomer
3/64" to 1"	•		•	•		•	•				High-performance flexible fluoropolymer
3/64" to 1 1/2"	•	•	•	•	•	•	•				Clear high-performance flexible fluoropolymer
1/8" to 2"	•		•	•		•	•				Fluid- and chemical-resistant fluoropolymer
3/64" to 1 1/2"	•	•	•	•	•	•	•				High-performance fluoropolymer
0.8 mm to 11.9 mm/ 2 mm to 32 mm		•	•				•				High-temperature Teflon
1/16" to 1"	•	•						•			Autoclavable semirigid fluoropolymer
1 mm to 10 mm	•	•						•			Lubricious thin-wall polyolefin
1/16" to 1"	•							•			High-temperature flexible fluoropolymer
1/16" to 1"	•	•						•			Flexible polyolefin
.014" to .045"	•	•	•								High performance fluoropolymer microtubing
.014" to .045"	•	•						•			Semirigid medical-grade fluoropolymer microtubing
.014" to .045"	•	•						•			Lubricious medical-grade polyolefin microtubing
.225" to .427"	•	•	•	•							High-ratio, adhesive-lined caps
1/8" to 1/2"	•			•							Semirigid encapsulant-lined polyolefin caps
.187" to 2"	•		•								Modified ETFE, helically convoluted tubing
12 mm to 32 mm	•		•								Heat-shrinkable water blocking system
12 mm to 32 mm	•		•								Heat-shrinkable water blocking system
.4" to 3"	•		•						•		Halogen-free, flame-retardant polyolefin
1/8" to 2"	•		•								Thin-wall, low-fire-hazard polyolefin
3 mm to 40 mm	•		•								Low toxicity, flexible polyolefin
0.8 mm to 4.5 mm	•										Protective self-adhering edging material
12 mm to 80 mm	•										Heat-shrinkable, fabric tubing
1/8" to 2"	•										Expandable, braided polyester sleeving
1/8" to 2"	•		•	•	•	•					Expandable, braided polyester sleeving
3 mm to 50 mm	•										Expandable, braided polyester sleeving