

Part # B2

Flexible Polyolefin
2 to 1 Ratio
 (For clear use A2)



	Specification Reference
UL	● UL224 125°C, 600 V
VW-1	● VW-1 File E48762 YDPU2
CSA	● CSA C22.2 No. 198.1-98
MIL Spec	● AMS-DTL-23053/5, Class 1 and Class 3

Replaces
Raychem RNF-100 type 1
3M/ECCFP-301
AlphaFIT-221

Description	B2 is a very flexible, flame retardant, heat shrinkable polyolefin tubing. (For clear tubing see A2.)
Uses	General Purpose applications such as wire marking, color coding, and electrical insulation of light wire harness assemblies.
Operating Temp	-55° C to +135° C and up to 200° C for short durations.
Shrink Temp	90° C
Standard Put-up	Spool *1/8", 3/16", & 1/4" also stocked in 4 foot lengths.

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	1500 MIN.
	Elongation (%)	ASTM D638	200 MIN.
	Specific gravity	ASTM D792	1.35 MAX.
	Low temperature flex (-55°C)	AMS-DTL-23053	No Cracking
	Heat shock (250°C, 4 Hrs.)	AMS-DTL-23053	No Cracking
	Heat Resistance (175°C, 168 Hrs.) Elongation (%)	ASTM D638	100 MIN.
	Secant modulus (psi)	ASTM D882	25000 MAX.
	Longitudinal change (%)	AMS-DTL-23053	±5
Electrical	Dielectric strength (volts/mil)	ASTM D876	500 MIN.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹⁴ MIN
Chemical	Corrosion	AMS-DTL-23053	No Corrosion
	Water absorption (%)	ASTM D570	0.5 MAX.
	Fluid Resistance (23°C, 24 Hrs.) Tensile Strength (psi)	AMS-DTL-23053	1000 MIN.
	Flammability	UL 224 VW-1	Pass
	Shrink Temperature (nominal)		90°C

Wholesale Pricing on Full Spools/Bags

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Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Spool Length	Price:	Color Selection											
mm	inches	mm (inches)	mm (inches)	in feet	per spool per foot	BK	BR	RD	OR	YL	GN	BL	VI	GY	WH	CL	
						black	brown	red	orange	yellow	green	blue	violet	gray	white	clear	
1.2	3/64 0.0469	0.5842 (0.023)	0.4064 (0.016)	1000	\$348.50 \$0.41	●	●	●	●	●	●	●	●	●	●	●	X
1.6	1/16 0.0625	0.7874 (0.031)	0.4318 (0.017)	1000	\$357.00 \$0.42	●	●	●	●	●	●	●	●	●	●	●	X
2.4	3/32 0.0938	1.1684 (0.046)	0.508 (0.020)	500	\$187.00 \$0.44	●	●	●	●	●	●	●	●	●	●	●	X
3.2	1/8 0.1250	1.5748 (0.062)	0.508 (0.020)	*500	\$195.50 \$0.46	●	●	●	●	●	●	●	●	●	●	●	X
4.8	3/16 0.1875	2.3622 (0.093)	0.508 (0.020)	*200	\$96.90 \$0.57	●	●	●	●	●	●	●	●	●	●	●	X
6.4	1/4 0.250	3.175 (0.125)	0.635 (0.025)	*200	\$119.00 \$0.70	●	●	●	●	●	●	●	●	●	●	●	X
9.5	3/8 0.375	4.7498 (0.187)	0.635 (0.025)	200	\$134.30 \$0.79	●	●	●	●	●	●	●	●	●	●	●	X
12.7	1/2 0.500	6.350 (0.250)	0.635 (0.025)	200	\$154.70 \$0.91	●	●	●	●	●	●	●	●	●	●	●	X
15.9	5/8 0.625	7.9375 (0.3125)	0.762 (0.030)	200	\$202.30 \$1.19	●	●	●	●	●	●	●	●	●	●	●	X
19.1	3/4 0.750	9.525 (0.375)	0.762 (0.030)	200	\$205.70 \$1.21	●	●	●	●	●	●	●	●	●	●	●	X
25.4	1.000 1.000	12.700 (0.500)	0.889 (0.035)	200	\$307.70 \$1.81	●	●	●	●	●	●	●	●	●	●	●	X
31.8	1-1/4 1.250	15.875 (0.625)	1.016 (0.040)	200	\$559.30 \$3.29	●	●	●	●	●	●	●	●	●	●	●	X
38.1	1-1/2 1.500	19.050 (0.750)	1.0160 (0.040)	200	\$508.30 \$2.99	●	●	●	●	●	●	●	●	●	●	●	X
50.8	2.000 2.000	25.400 (1.000)	1.143 (0.045)	200	\$703.80 \$4.14	●	●	●	●	●	●	●	●	●	●	●	X
76.2	3.000 3.000	38.100 (1.500)	1.270 (0.050)	200	\$1,417.80 \$8.34	●	●	●	●	●	●	●	●	●	●	●	X
101.6	4.000 4.000	50.800 (2.000)	1.397 (0.055)	100	\$921.40 \$10.84	●	●	●	●	●	●	●	●	●	●	●	X

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Lead Time: 1 day	Lead Time: up to 50 days	Lead Time: up to 100 days	Lead Time: up to 200 days	Not Possible

The above lead time guidelines are estimated only. They may be longer (not usually) or they may be shorter (typically). Regarding products with 100 & 200 day lead time; pricing may vary, and a minimum order with deposit may be required. Oh... and by the way, everything can change without notice and/or liability.