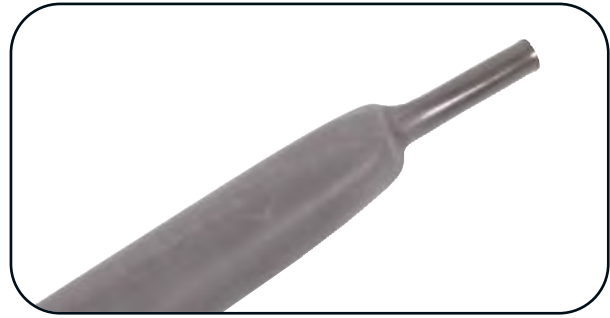


Part # **W3B2(4X)**

**Dual Wall Adhesive Lined
4 to 1 Ratio
Flexible Polyolefin**



	Specification Reference
UL	● UL 224, 125°C, 600V
VW-1	○
CSA	○
MIL Spec	○

Replaces	
Raychem	ATUM (4X)
3M/ECC	EPS-400

Description	W3B2(4X) is an over-expanded flexible, flame retardant heat-shrinkable polyolefin tubing with a thick wall of modified polyamide adhesive which melts and flows, encapsulating and sealing components contained within.
Uses	W3B2(4X) is recommended for applications requiring water-proofing for light cable and wire harnesses and protection of connector components. Its 4 to 1 shrink ratio allows it to easily fit over very irregular surfaces and large connectors.
Operating Temp	-55°C, to +110°C
Shrink Temp	110°C
Standard Put-up	Bag - 4 foot lengths, packaged in plastic bags.

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	1500 MIN.
	Elongation (%)	ASTM D638	250 MIN.
	Cold Impact (-55°C)	ASTM D746	No Cracking
	Heat shock (250°C, 4 Hrs.)	AMS-DTL-23053	No Cracking
	Secant modulus (psi)	ASTM D882	25000 MAX.
	Longitudinal change (%)	AMS-DTL-23053	+5, -15
Electrical	Dielectric strength (volts/mil)	ASTM D876	300 MIN.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹⁰ MIN
Chemical	Corrosion	UL 224	No Corrosion
	Water absorption (%)	ASTM D570	1.0 MAX.
	Fluid Resistance (23°C, 24 Hrs.) Tensile Strength (psi)	AMS-DTL-23053	900 MIN.
	Flammability	UL 224	Pass
	Shrink Temperature (nominal)		110°C

**Wholesale Pricing
on Full Spools/Bags**

W3B2(4X) Part #

**Dual Wall Adhesive Lined 4 to 1 Ratio
Flexible Polyolefin**

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 bag	per foot	BK	BR	RD	OR	YL	GN	BL	VI	GY
								black	brown	red	orange	yellow	green	blue	violet	gray	white	clear	
4	— 0.1574	0.9906 (0.039)	1.016 (0.040)	200	\$399.50 \$2.35														
8	— 0.3149	2.0066 (0.079)	1.2192 (0.048)	100	\$303.45 \$3.57														
12	— 0.4724	2.9972 (0.118)	1.397 (0.055)	100	\$373.15 \$4.39														
16	— 0.6299	3.9878 (0.157)	1.8034 (0.071)	100	\$629.00 \$7.40														
24	— 0.9448	5.9944 (0.236)	2.2606 (0.089)	60	\$507.45 \$9.95														
32	— 1.2600	8.000 (0.315)	2.540 (0.100)	40	\$563.72 \$16.58														
52	— 2.0470	13.000 (0.512)	2.540 (0.100)	40	\$834.36 \$24.54														

NOTE: Some types of heat shrink, for instance semi-rigid and dual wall types are manufactured in 4 foot lengths. The rigid and semi-rigid ones do not bend without kinking, the adhesives in dual walls tend to stick or block shut when spooled.

4 foot lengths, packaged in plastic bags.

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.