



PERFECT MAKES **BOXCO!**

# DUAL WALL TUBING

## ADW-300 / 400

Low shrink temperature, flame retardant



### Applications

Manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide both insulation and sealing for protected articles. Used to protect auto wires, shipping cable, bundle wires

### Features

Good electrical insulation and waterproof connection.

### Various

Operating temperature: - 55°C to +125°C  
Minimum shrink temperature: 80°C

Approvals: UL 224 125°C VW-1 600V File No.E204071 (except clear)  
Meet: SAE-AMS-DTL-23053/4

Standard color: Black

Special colors: Red, blue, white, yellow, clear

### Technical data

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	>10.4 MPa
Tensile strength after aging (158°C/168 hrs.)	ASTM D 2671	Remains 70%
Elongation at break	ASTM D 2671	>300% (min)
Elongation at break after aging (158°C/168 hrs.)	ASTM D 2671	100% (min)
Longitudinal shrinkage	UL 224	0 to -10%
Heat shock	250°C/4 hrs	No cracking, no dropping
Cold bend (-30°C/1 hr.)	ASTM D 2671	No cracking
Voltage withstand (AC 2500V/60 seconds)	ASTM D 2671	No breakdown
Volume resistance	ASTM D 876	>1014Ω.cm
Flammability	SAE-AMS-DTL-23053/4	Self-extinguish in 30 sec
Copper corrosion (158°C/168 hrs.)	UL 224	Pass
Water absorption	ASTM D 570	<0,5%

### Dimensions

Normal Size (mm)	As Supplied (mm)		After Recovery (mm)			Standard Length	
	Inside Diameter (min)	Inside Diameter (max)	Total Wall Thickness (Min.)	Adhesive Thickness	m/piece	m/spool	
<b>ADW-300 Shrink Ratio 3:1</b> Adhesive-lined tubing							
3/1	3.0	1.0	1.0	0.5	1.22	150	
4.8/1.5	4.8	1.5	1.0	0.5	1.22	75	
6/2	6.0	2.0	1.0	0.5	1.22	75	
9/3	9.0	3.0	1.40	0.6	1.22	75	
12/4	12.0	4.0	1.60	0.7	1.22	30	
19/6	19.0	6.0	2.15	0.8	1.22	30	
24/8	24.0	8.0	2.40	1.0	1.22	30	
30/10	30.0	10.0	2.40	1.0	1.22	30	
40/13	40.0	13.0	2.40	1.0	1.22	30	
50/19	50.0	19.0	2.40	1.0	1.22	30	
<b>ADW-400 Shrink Ratio 4:1</b> Adhesive-lined tubing							
4/1	4.0	1.0	1.00	0.5	1.22	150	
6/1.5	6.0	1.5	1.00	0.5	1.22	75	
8/2	8.0	2.0	1.00	0.5	1.22	75	
12/3	12.0	3.0	1.40	0.6	1.22	50	
16/4	16.0	4.0	1.60	0.8	1.22	30	
24/6	24.0	6.0	2.15	0.8	1.22	30	
32/8	32.0	8.0	2.40	1.0	1.22	30	
52/13	52.0	13.0	2.40	1.0	1.22	30	

Special spool lengths or cutted pieces available on request.  
Special sizes and other special features available on request.