



# DUAL WALL PRODUCTS

## ADW-300 / 400

Dual wall tubing with adhesive, 3:1 / 4:1



### 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 and metal tubes against water and moisture.

### Features:

Operating temperature: - 45°C to +125°C  
 Minimum shrink temperature: 80°C  
 Standard color: Black  
 Approvals: UL 224 125 600V File No.E204071  
 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	ASTM D 2671	158°C, 168 hrs Remains 70%
Elongation at break	ASTM D 2671	200% (min)
Elongation at break after aging	ASTM D 2671 158°C/168 hrs	100% (min)
Heat shock	225°C/4 hrs	No cracking, no dropping
Cold bend	ASTM D 2671 -30°C/1 hr	No cracking
Voltage withstand	ASTM D 2671 AC 2500V/60seconds	No Breakdown
Break down voltage	ASTM D 2671	AC 2500V (min)
Volume resistance	ASTM D 876	10 <sup>14</sup> Ω cm (min)
Flammability	SAE-AMS-DTL-23035/5	Self-extingish in 30 sec
Copper corrosion	UL 224	Pass
Water absorption	ASTM D 570	<0,5%
Longitudinal shrinkage	UL 224 158°C/168 hrs	0 to -10%



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### Dimensions ADW-300, shrink ratio 3:1:

Normal Size	As Supplied (mm)	After Recoved (mm)			Standard Length		
		Min. Inside Diameter	Max. Inside Diameter	Norm. Wall Thickness	Adhesive Thickness	m/piece	m/spool
ADW-300							
3.0/1.0	3.0	1.0	1.0±0.10	0.50	1.22	150	
4.8/1.5	4.8	1.5	1.0±0.10	0.50	1.22	100	
6.0/2.0	6.0	2.00	1.0±0.10	0.50	1.22	75	
9.0/3.0	9.0	3.00	1.40±0.10	0.60	1.22	50	
12/4.0	12.0	4.00	1.60±0.15	0.70	1.22	25	
19/6.0	19.0	6.00	2.15±0.20	0.80	1.22	25	
24/8.0	24.0	8.00	2.50±0.20	1.05	1.22	25	
30/10	30	10.00	2.50±0.20	1.05	1.22	25	
40/13	40.0	13.00	2.50±0.20	1.05	1.22	25	
50/19	50	19.00	2.50±0.20	1.05	1.22	1.22	

### Dimensions ADW-400, shrink ratio 4:1:

Normal Size	As Supplied (mm)	After Recoved (mm)			Standard Length	
		Min. Inside Diameter	Max. Inside Diameter	Norm. Wall Thickness	Adhesive Thickness	m/piece
ADW-400						
4.0/1.0	4.0	1.0	1.00±0.10	0.50	1.22	150
6.0/1.5	6.0	1.5	1.20±0.10	0.60	1.22	150
8.0/2.0	8.0	2.0	1.55±0.10	0.75	1.22	150
12/2.41	12.0	3.0	1.95±0.15	1.00	1.22	100
16/4.0	16.0	4.00	2.10±0.20	1.05	1.22	50
24/6.0	24.0	6.0	2.50±0.20	1.25	1.22	25
32/8.0	32.0	8.0	2.50±0.20	1.25	1.22	25
52/13.0	52.0	13.0	2.50±0.20	1.25	1.22	25