

THIN WALL ADHESIVE LINED

ADW3



ADW3 is a co-extrusion of polyolefin and hot melt adhesive, this flame-retardant, highly flexible, thin-wall tubing is designed for applications demanding superior performance and reliability.

Being ROHS compliant guarantees that the product is free of restricted substances like Cadmium (Cd), Lead (Pb), Hexavalent Chromium (Cr6), and Mercury (Hg), which meets stringent automotive industry standards.

DIMENSIONS

Product	Inside Diameter (mm)		Wall Thickness (mm)	Reel Length (m)
	Supplied	Recovered	Recovered	
ADW331	3.2	1.0	0.90	100
ADW341	4.8	1.5	1.00	100
ADW362	6.4	2.0	1.25	100
ADW393	9.5	3.0	1.40	100
ADW3124	12.7	4.0	1.70	100
ADW3196	19.1	6.0	1.95	100
ADW3258	25.4	8.0	2.05	75
ADW33813	38.1	13.0	2.50	30
ADW35016	50.8	16	2.80	15

KEY FEATURES

- Shrink ratio 3 : 1
- Operating temperature -45 °C to 125 °C
- Minimum shrink temperature, 70 °C
- Cross-linked polyolefin
- Adhesive lined
- Excellent flame retardant properties VW-1
- Colours: Black/Clear (other colours on request)
- Excellent oil and chemical resistance
- In compliance with SAE-AMS-DTL-23053/4

APPLICATION

ADW3 Standard

- Provides environmental sealing and insulation for electrical/electronic connections.
- Enables flexible wire and cable bundling for automotive and marine harnesses.
- Fast recovery at low temperatures, ideal for electronics and telecommunications.

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- Durable, abrasion and oil-resistant coating for identification labels, tags, and write-and-wrap labels (hydraulic hoses).
- Provides strain relief and environmental sealing for electrical/electronic connections requiring visibility.
- Engineered for applications where substrates must stay visible and protected from fluid ingress.

TECHNICAL DATA



Properties	Test Method	Typical Values
Cold impact	ASTM D 746-13 (-40 °C)	No cracking
Heat shock	(250 °C, 4 hrs)	No cracking / dripping
Sealing efficiency	200 °C, 3 min Reheat (150 °C, 5 min)	No opening on reheat
Tensile strength (MPa)	ASTM D 638-10	12.8
Elongation at break (%)	ASTM D 638-10	390
Dielectric strength (kV/mm)	ASTM D 2671-09	19.7
Volume resistivity (Ω/cm)	ASTM D 257-07	2x10 ¹⁵
Flammability	ASTM D 2671-09	Pass (self extinguishing)
Corrosion	(121°C, 16hrs)	No corrosion
Water absorbtion (%)	ASTM D 570-98 (23 °C, 24 hrs)	0.25
Heat resistance	(175 °C, 168 hrs)	No cracks / dripping / flowing of outer walls
Longitudinal shrinkage (%)	UL224	0±5



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