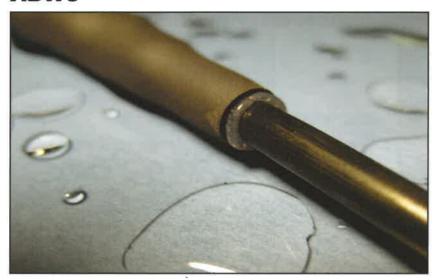
Thin Wall Adhesive Lined

ADW3



Technical Data

Properties	Test Method	Typical Values No Cracking	
Cold Impact	SAE-AMS-DTL23053/4:1999 ASTM D746-13 (-40°C)		
Heat Shock	SAE-AMS-DTL23053/4:1999 (250°C, 4 hrs)	No Cracking/Dripping	
Sealing Efficiency	SAE-AMS-DTL23053/4:1999 (200°C, 3min) Reheat (150°,5min)	No opening on reheat	
Tensile Strength (MPa)	SAE-AMS-DTL23053/4:1999 ASTM D638-10	12.8	
Elongation at Break (%)	SAE-AMS-DTL23053/4:1999 ASTM D638-10	390 FF	
Dielectric Strength (kV/mm)	SAE-AMS-DTL23053/4:1999 ASTM D2671-09	19.7	
Volume Resistivity (Ω.cm)	SAE-AMS-DTL23053/4:1999 ASTM D257-07	2x10¹⁵	
Flammability	SAE-AMS-DTL23053/4:1999 ASTM D2671-09	Pass (Self extinguishing)	
Corrosion	SAE-AMS-DTL23053/4:1999 (121°C, 16hrs)	No Corrosion	
Water Absorbtion (%)	SAE-AMS-DTL23053/4:1999 ASTM D570-98 (23°C,24hrs)	0.25	
Heat Resistance	SAE-AMS-DTL23053/4:1999 (175°C,168hrs)	No Cracks/Dripping/Flowing of outer walls	
Longitudinal Shrinkage (%)	UL224	0 ± 5	

Dimensions

Product	Inside Diameter (mm)		Wall Thickness (mm)	Reël Length
	Supplied	Recovered	Recovered	(m)
ADW315	1.6	0.5	0.45	100
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

Description

ADW3 is manufactured by co-extrusion of Polyolefin and hot-melt adhesive. The product has been developed for applications that require a flame retardant highly flexible thin wall tubing with a higher shrink ratio and where moisture sealing is required.

Features

- Crosslinked Polyolefin
- Shrink Ratio 3:1
- Adhesive lined
- Operating temperature -45 to 125 °C
- Excellent flame retardant properties
- Standard colours Black/Clear Special Colours on request
- Minimum shrink temperature, 70 °C
- RoHS /REACH Complaint
- Millitary approved
- Excellent oil & chemical resistance

Applications

- Environmental seal & insulation for electrical and electronic connections
- Bundling of wires and cables for flexible harnesses, including automotive and marine harnesses
- Quick recovery at low temperatures makes it ideal for use in the electronics & telecommunication applications
- Its 3:1 shrink ratio can easily cope with components of varying diameter, with no tendency to split

Clear

- Abrasion and oil resistant covering for identification labels/tags and write and wrap labels
- Strain relief and environmental seal for electrical and electronic connections where visibility of the connection is required
- Designed for applications where substrates need to remain visible and protected against the ingress of fluids





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