

RDW Dual Wall High Shrink Ratio Flame Retarded Adhesive Lined Tubing

APPLICATIONS:

- Provides permanent waterproof barrier & environmental sealed for electrical connections
- Used as an alternative to molded parts and cable breakouts
- High shrink ratio enables insulation of cables with connectors of various sizes- Suitable for us in telecommunication, industrial equipment, automotive and avionics.

GENERAL PRODUCT PROPERTIES:

- Shrink ratio of: 3 : 1
- Operating temperature ranges from -55 °C to +85 °C
- High flame retardant/self extinguishing properties
- Chemical, copper corrosion and fungus resistance
- Dielectric strength of 15KV/mm.
- ROHS Compliance



SPECIFICATIONS:

Products properties and performance have been certified to conform to the following specifications stated below
IEC, ASTM, AND MIL-SPEC



PRODUCT DIMENSIONS:

Standard Product: RDW103 with 3:1 Shrink Ratio

Product Number	Expanded Internal Diameter	Recovered Internal Diameter	Recovered Wall thickness (Including Adhesive)	1.2 M Cut Length Pack Qty/box	Pack Size Per Spool Meters
RDW3/1	3.0 mm	1.0 mm	.95 mm	250 lengths	200
RDW4.8/1.6	4.8 mm	1.6 mm	1.1 mm	250 lengths	100
RDW6/2	6.0 mm	2.0 mm	1.15 mm	200 lengths	50
RDW9/3	9.0 mm	3.0 mm	1.30 mm	80 lengths	40
RDW12/4	12.0 mm	4.0 mm	1.40 mm	120 lengths	40
RDW18/6	18.0 mm	6.0 mm	1.6 mm	65 lengths	40
RDW24/8	24.0 mm	8.0 mm	1.9 mm	40 lengths	40
RDW39/13	39.0 mm	13.0 mm	2.50 mm	20 lengths	40

Note: Standard color for tubing is Black. Other colors are available upon request.
Tubing with 2:1 and 4:1 shrink ratio are also available upon request.
Tubing without adhesive available on request.

Product Technical Data

PROPERTIES

TEST METHOD

TYPICAL VALUE

Physical:

Tensile Strength	ASTM-D-638	12N/mm ²
Water Absorption	ASTM-D-570	.15 %Max.
Elongation	ASTM-D-638	300%
Low Temperature Flexibility	ASTM-D-2671	-55 °C
Specific Gravity	ASTM-D-792	1.4
Longitudinal Change	ASTM-D-638	+10%
Flammability	ASTM-D-2671	3(Outer Wall)

Thermal:

Operating Temperature	IEC216	-55°C to +125°C(Outer Wall)
Heat Shock@ 250 °C 4 hrs		No dripping, cracking or flowing(Outer Wall)

Chemical:

Fungus Resistance	MIL-1-7444	Inert
Copper Corrosion	ASTM D 2671 B	XX
Chemical Resistance		XX

Electrical :

Dielectric Strength	ASTM-D-2671	>15kV / mm
Dielectric Constant	ASTM-D-150	3.0 Max.
Volume Resistance	ASTM-D-257	10 ¹⁴ Ohm/cm

Flamability:

Not Self Extinguishing	1
Flame Retarded	2
Self Extinguishing	3

Chemical Resistance and Copper Corrosion:

X	Satisfactory
XX	Good
XXX	Excellent

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