RMW Medium Wall Tubing

APPLICATIONS:

RMW Heat Shrinkable tube provides waterproof sealing of cable terminations and joints. Insulation for overhead and underground power cable connections. Insulation of communication cable connections. Waterproofing and environmental sealing of cableglands and connectors. Corrosion Protection. Environmental sealing and mechanical protection of pipes and pipe connections.

GENERAL PRODUCT PROPERTIES:

- High shrink ratio (3.5: 1)
- High resistant to decay, chemicals, copper corrosion and ultra violet rays.
- Light-weight and flexible.
- Tubing with hot melt adhesive lining provides excellent waterproofing and environmental sealing
- The standard internal diameter of tubes ranges from 3mm to 165mm
- Tubes with larger internal diameter are available upon request
- Standard Color Black / Orange. Other colors available upon request
- Dielectric Strength: 20KV /mm
- Operating temp: -55^{0}C to +110^{0}C

SPECIFICATIONS:

In-accordance and Compliance to:

BS EN 7933-2 : 2007, HD 631.2:2007

Certified to BS 6910: Part 1: 1988

RADI-FIT Tested & Certified RoHS COMPLIANT RADIFORM

RADI-FIT HF Halogen Free RADIFORM

PRODUCT DIMENSIONS:

RMW Medium Wall Tubing with/without Hot Melt Adhesive Lining

Part Number	Min. Expanded ID	Max. Recovered ID	Nominal Recovered Wall Thickness (Excluding Adhesive)	Standard Pack of 1.2 or 1 meter length
RMW 12/3	12 mm	3 mm	1.5 mm	60 lengths
RMW 22/6	22 mm	6 mm	2.5 mm	30 lengths
RMW 27/8	27 mm	8 mm	2.5 mm	30 lengths
RMW 35/9	35 mm	9 mm	2.5 mm	20 lengths
RMW 40/12	40 mm	12 mm	2.5 mm	15 lengths
RMW 50/17	50 mm	17 mm	2.5 mm	12 lengths
RMW 56/17	56mm	17mm	2.5mm	12 lengths
RMW 60/20	60mm	20mm	2.5mm	12 lengths
RMW 72/22	72 mm	22 mm	2.5 mm	10 lengths
RMW 92/26	92 mm	26 mm	2.5 mm	5 lengths
RMW 130/35	120 mm	35 mm	2.5 mm	5 lengths

Order Details – Part Number /length/A=Adhesive Lined U=Unlined
Note: Special cut Lengths available on request

Product Technical Data

PROPERTIES	TEST METHOD	TYPICAL VALUE
Physical:		
Tensile Strength	ASTM D 638	14 N/mm^2
Tensile Strength& Ultimate Elongation	BS 6910-1	12 Mpa.
Elongation at Break	ASTM D 638	400%
Longitudinal Change	ASTM D 2671	+ 0%, - 10% Maximum
Water Penetration	STM 706	No penetration after 286hrs immersion
Water Absorbtion	<.BS 6910-1	0.5%@25^{o}C&<1%@50^{o}C
Secant Modulus	BS 6910-1	<175Mpa.
Thermal:		
Continuous Operating Temperature		-55^{o}C to +110^{o}C
Minimum Shrink Temperature		>90^{o}C
Heat Shock 4 hours at 200^{o}C	ASTM D 2671	No dripping, cracking or flowing
Heat Shock@ 250 ^{o}C	BS 6910-1	No dripping, cracking or flowing
Heat Aging 168 hours at 150^{o}C	ASTM D 638	Ultimate Elongation 300%
Thermal Ageing(Tensile Strength)	BS 6910-1	12Mpa.
Thermal Ageing (Elongation)	BS 6910-1	>100%
Low Temperature Flexibility -55^{o}C	ASTM D 2671C	No cracking (outer wall only)
Low Temperature Flexibility - 20 ^{o}C	BS 6910-1	No Cracking
Chemical:		
Fungus Resistance	ISO 846 Method A	Rate 1
Copper Corrosion	ASTM D 2671 B	Pass
Electrical :		
Dielectric Strength	ASTM D 140	25kV / mm
Volume Resistivity	ASTM D 257	10 @ 14 ohm.cm
Electrical Strength	BS EN 60243	>10kV / mm (Complied)
