

RMW Medium Wall Tubing

APPLICATIONS:

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 cable glands 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°C to +110°C

SPECIFICATIONS:

**Products conform and tested to BS, IEC, VDE, DIN and ASTM
Certified to BS 6910: Part 1: 1988**

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 Absorption	ASTM D 570	< 0.15% Maximum
Water Absorbtion	BS 6910-1	.5%@25 °C<1%@50 °C
Secant Modulus	BS 6910-1	<250Mpa.
Thermal:		
Continuous Operating Temperature		-55°C to +110°C
Minimum Shrink Temperature		>90°C
Heat Shock 4 hours at 200°C	ASTM D 2671	No dripping, cracking or flowing
Heat Shock@ 250 °C	BS 6910-1	No dripping, cracking or flowing
Heat Aging 168 hours at 150°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°C	ASTM D 2671C	No cracking (outer wall only)
Low Temperature Flexibility - 20 °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
Electrical Strength

ASTM D 257
BS EN 60243

10 @ 14 ohm.cm
>10kV / mm (Complied)

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