

Medium Wall

AMWA - Medium Wall Adhesive Lined AMW - Medium Wall (Non-Adhesive Lined)



Technical Data

Properties	Test Methods	Typical Values
Tensile (MPa)	ASTM D2671	≥ 14
Elongation (%)	ASTM D2671	≥ 400
Heat Ageing: Tensile (MPa) : Elongation (%)	ASTM D2671 (150°C, 168hrs)	≥ 12 > 300
Water Absorption (%)	ISO 62 (23°C, 14days)	< 0.15
Eccentricity (%)	ASTM D2671	< 40
Copper Stability	ASTM D 2671	Pass
ESCR (environmental stress crack resistance)	ASTM D 1693 (50°C)	No Cracking
Dielectric Strength (kV/mm)	ASTM D 2671	≥ 18
Volume Resistivity (Ω/cm)	ASTM D 257 / IEC 93	10 ¹³
Eccentricity (%)	ASTM D2671	< 40
Density (g/cm ³)	ASTM D792	1.05
Longitudinal Shrink (%)	UL224	≤ 10
Adhesive Lining		
Water Absorption (%)	ISO 62	< 0.2
Softening Point (°C)	ASTM E28	85 ± 5
Peel Strength (N/cm)	DIN 30672	4
Resistance to Fungus and Decay	ISO 846	Pass



Dimensions

Product	Inside Diameter (mm)		Wall Thickness Recovered (mm)	Standard Length (mm)
	Supplied	Recovered		
AMWA12/3	12	3	1.8	1200
AMWA22/6	22	6	2.2	1200
AMWA28/6	28	6	2.5	1200
AMWA33/8	33	8	2.5	1200
AMWA40/12	40	12	2.5	1200
AMWA55/16	55	16	2.7	1200
AMWA63/19	63	19	2.8	1200
AMWA75/22	75	22	3.0	1200
AMWA85/25	85	25	3.0	1200
AMWA95/25	95	25	3.0	1200
AMWA105/30	105	30	3.3	1200
AMWA115/34	115	34	3.3	1200
AMWA130/36	130	36	3.5	1200
AMWA140/42	140	42	3.5	1200
AMWA160/50	160	50	3.5	1200
AMWA180/58	180	58	3.5	1200

NOTE: For non-adhesive lined replace AMWA with AMW (Suffix "A"-Adhesive lined)

Description

AMW / AMWA is a polyolefin medium wall tubing with outstanding insulation and environmental sealing properties. AMW & AMWA are UV resistant and have excellent mechanical properties.

Features

- Shrink Ratio 3 : 1
- Operating temperature -55 to 110°C
- Excellent impact and abrasion resistance
- Excellent environmental and UV resistance
- High electrical insulation properties
- Colours - Black
- Minimum full recovery temperature 120°C

Applications

- Inner and outer sleeves for joints from 1 kV to 36 kV
- Strain relief / protection of connector components
- Water proofing of cable and wire harnesses
- Encapsulation and weatherproofing of irregular shapes
- Cable sheath repairs

