

Self Amalgamating Tape

PRODUCT DESCRIPTION

The Self Amalgamating Tape is designed to provide a long-term environmental seal for main feeder, jumper and antenna connections. Once installed, the self amalgamating tape provides a watertight seal around the connection eliminating the need for the traditional butyl tape and mastic. Self Amalgamating Tape is manufactured from UV and weather resistant rubber. This tape is designed to operate in severe climates and is available in several different sizes.

SPECIFICATIONS

Dielectric Strength	ASTM D4325-13 & ASTM D149-09	31.32 kV/mm
Heat Exposure	ASTM D4325-13	No evidence of porosity, blistering, delamination, cracking or sagging
Tensile Strength	ASTM D4325-13	2.95 MPa
Elongation at Break	ASTM A412-06a	880%
Volume Resistivity	ASTM D4325-13 & ASTM D257-14	Precondition 1: $3.5 \times 10^{15} \Omega \cdot \text{cm}$ Precondition 2: $3.1 \times 10^{15} \Omega \cdot \text{cm}$
Water Absorption	ASTM D570-98	0.08%
Fusion	ASTM D4325-13	Length of flag: 0 mm
Copper Corrosion	ASTM D69-06	No discoloration on the surface of Copper rod
Light Ageing Test - UV Exposure	ASTM D4325-13 & ASTM D750-12	No visible cracking, degumming, up wrap, crimping or exfoliation
Light Ageing Test – Xenon arc Exposure	ISO 4892-2:2013	No visible cracking, degumming, up wrap, crimping or exfoliation
Ozone Ageing	ASTM D4388-08	No visible cracking, degumming, up wrap, crimping or exfoliation
Permittivity (60Hz)	ASTM D4325-08	Room temperature ($23 \pm 2^\circ \text{C}$ & $50 \pm 5\% \text{ RH}$): 2.71
		High temperature ($90 \pm 2^\circ \text{C}$ & for 1hr): 2.51
		Soaking ($23 \pm 2^\circ \text{C}$ for 24hr): 3.06
		Hot water dip $23 \pm 2^\circ \text{C}$ for 24hr): 2.71
Dielectric Loss Factor (60Hz)	ASTM D4325-08	Room temperature ($23 \pm 2^\circ \text{C}$ & $50 \pm 5\% \text{ RH}$): 0.0166
		High temperature ($90 \pm 2^\circ \text{C}$ for 1hr): 0.0020
		Soaking ($23 \pm 2^\circ \text{C}$ for 24hr): 0.0118
		Hot water dip ($70 \pm 2^\circ \text{C}$ for 24hrs): 2.71

