

TECHNICAL DATA SHEET



ECCS Copolymer Coated Steel Tape

Armoring and Shielding for Telecommunication Cables

Grade: 1410

Low carbon electrolytically chrome coated steel tape tempered to T3, suitable for telecommunication cables. Coated with an ethylene acrylic acid (EAA) copolymer film. 1410 exhibits excellent adhesion to the steel substrate and provides a strong bond to cable jacketing materials LDPE, MDPE and HDPE

Property	Test method	Value	Unit
General:			
Steel (± 0.015 mm)		0.155	mm
Film coating (± 0.005 mm)		0.045	mm
Ethylene Acrylic Acid Content (EAA)		8-10	%
Mechanical:			
Tensile strength	ASTM A 370	300 - 400	N/mm ²
Elongation	ASTM A 370	> 15	%
Peel strength (coating to metal)	ASTM B 736	6.1	N/cm
Heat seal strength (coating to coating)	ASTM B 736	> 17.5	N/cm
Water aging effects (after 1 week 68°C)	ASTM B 736	No Decrease	
Lap shear (coating sealed to coating)	ASTM B 736	Breaks Metal	

Product Offering

Width (mm) Jumbo roll: 610

Width (mm) Slit roll: 12 - 610

Length (m): 2300, 4500

ID (mm): 406

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