

Material Data Sheet

Coated Steel

CS tape consists of steel tape coated on both sides with an adhesive ethylene copolymer. The copolymer exhibits excellent adhesion to the steel substrate and has exceptional toughness. This copolymer has the chemical resistance and general characteristics of low-density polyethylene. It bonds to low, linear low, medium, and high-density polyethylene. The steel tape is low carbon (ASTM A 623 77 Type MR) electrolytically chrome coated steel, tempered to a T 3 condition for excellent formability and fabrication characteristics.

Property	Test method	Value	Unit
General			
Thickness (± 0.015 mm)		0.155	mm
Thickness coating (± 0.005 mm)		0.045	mm
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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