

Copolymer Coated Steel Tape



Copolymer Coated Steel Tape consists of a steel tape coated on single side or both sides with an adherent ethylene copolymer. Steel base-tape is made of chrome-electroplated cold-rolled steel tape, its chemical composition complying with the standard of China Telecommunication Industry Standard YD/T723-94. The copolymer exhibits excellent adhesion to the steel substrate and has the chemical resistance and general characteristics of lower density polyethylene, it bonds to low, linear low, medium and high density polyethylene.

Types & Specifications of Copolymer Coated Steel Tape:

Thickness and Tolerance of Steel Tape (mm)	Thickness and Tolerance of Copolymer Coated Steel Tape (mm)		Thickness and Tolerance of Coating (mm)	Width (mm)	Length (mm)	Inner core (mm)
	Type EG (Single Coated)	Type EGE (Double Coated)				
0.155±0.01	0.21±0.023	0.27±0.036	0.058±0.013	12-800	1000-5000	Φ100, Φ150, Φ406
0.20±0.01	0.26±0.023	0.32±0.036				

Technical Data:

S. No.	Item		Requirement
1	Appearance		The surface is plain, smooth, uniform, free from foreign matters, wrinkles, piebald and other mechanical damages and defects.
2	Tensile Strength, Mpa		≥300
3	Break Elongation,%		≥15
4	Peel Strength between steel tape and copolymer film, N/cm		≥6.13
5	Cutting Strength of Heal Seal of Copolymer Coated Steel Tape		Damage between coating and steel tape, no cutting damage between heat seal area of coating
6	Heat Seal Strength of Copolymer Coated Steel Tape, N/cm		≥17.5
7	Water Tolerance (68±1°C,168h) Peel Strength N/cm		≥6.13
8	Jelly Resistance (68±1°C,168h)		No separation between steel tape and Copolymer film
9	Corrosion Resistance (0.1mo1/L HCl, 480h)		≥Grade7
10	Dielectric Strength	One-sided Copolymer Coated Steel Tape 1KV, d, c, 1min	Without Breakdown
		Two-sided Copolymer Coated Steel Tape, 2KV, d, c, 1min	Without Breakdown

Application: it can be used as moisture-proof layer, Shield layer, armored layer of communication cable, fiber cable or other cable. Other specifications can be designed according to your special request.