

**WT Heat shrinkable wraparound tape:**



**Description:**

The heat-shrinkable winding tape is an anticorrosive material made of radiation cross-linked polyethylene sheet and special hot melt adhesive. The mixture of radiation cross-linked modified polyethylene and ordinary polyethylene has high mechanical strength and is an alternative substitute, Corrosion resistance, high temperature resistance, environmental stress cracking resistance, composite hot melt adhesive has the characteristics of strong adhesion and good sealing performance. Extensively expand the joints of steel pipes, the winding anticorrosion of pipe fittings such as elbows and tees.

**Product Features/Benefits:**

- Different mechanical classes. provides options to the customer and allows cost savings.
- Highly flexible. Easy to apply at both low or high temperatures & on pipes of small diameter.
- Compatible with varying pipe diameters. Minimizes inventory, thus saving money.
- Self-tensioning, heat-shrinkable backing. Easy to use. Saves time.
- No special equipment required.
- Keeps installation costs low.

**Product backing properties:**

Property	Unit	Test	Test according
Tensile Strength	psi	2500	ASTM D638
Ultimate Elongation	%	500	ASTM D638
Volume Resistivity	$\Omega$ -cm	$1 \times 10^{16}$	ASTM D257
Dielectric Strength	kV/mm	25	ASTM D149
Water Absorption	% Wt	0.05	ASTM D570
Softening Point	$^{\circ}\text{C}$	90	ASTM E28
Peel Strength	N/cm <sup>2</sup>	65	DIN EN12068
Lap Shear Strength	N/cm <sup>2</sup>	140	DIN EN12068
Impact Resistance	J	>15	DIN EN12068

Penetration Resistance	-	Pass	ASTM G17
Cathodic Disbondment	mm-radius	<15mm	DIN EN 12068

#### Adhesive properties:

No.	Item		Index	Test according
1	Softening point (ball and ball method) 50°C		≥ 90 °C	GB/T4507
2	Softening point (ball and ball method) 70°C		≥ 110 °C	GB/T4507
3	Embrittlement temperature (°C)		≤ -15	SY/T0413-2002
4	Lap shear strength (MPa) (23°C)		≥ 1.0	GB/T7124
5	Peel strength (N/cm) (Cohesive destruction)	Heat shrinkable tape/polyethylene layer 23±2°C /50±2°C	≥ 70 ≥ 15	GB/T2792
		Heat shrinkable tape/epoxy primer steel 23±2°C /50±2°C	≥ 70 ≥ 15	
		Heat shrinkable sleeve (belt)/steel 23±2°C /50±2°C	≥ 70 ≥ 15	

#### Primer properties:

No.	Item	Index	Test according
1	Thickness (wet film) (um)	≥ 100	Measured
2	Adhesion (level)	≤ 2	SY/T0315-97 Appendix H
3	Cathodic stripping (65°C,48h) (mm)	≤ 10	SY/T0413-2002 Appendix B
4	Shear strength after curing (MPa)	≥ 5.0	SY/T0041

#### Product selection guide:

	TS50 (mastic)	TS 60	TS 80
Max operating temperature	60°C	70°C	85°C
Compatible line coatings	PE, FBE, PP	PE, FBE, PP	PE, FBE, PP
Preheat temperature	60°C	70°C	85°C
Recommended pipe preparation	Clean, dry and free of grease	Clean, dry and free of grease	Clean, dry and free of grease
Performance	SY/T0413-2002 EN12008	SY/T0413-2002 EN12008	SY/T0413-2002 EN12008

#### Ordering information:

	Example:	WT150*25000-1.2/0.8

WT type products are available: as a roll (closure patches included)	WT	Product type
	150	Tape width in mm
	25000	Tape length in mm
	1.2	Backing thickness in mm
	0.8	Adhesive thickness in mm

Standard manufacturing range covers the following sizes and dimensions:

The heat shrinkable tape width: 50mm, 100mm, 150mm, 200mm, 250mm, 300mm.

The tape total thickness: 1.8mm, 2.0mm, 2.2mm, 2.3mm, 2.5mm.

**Service Life:** More than 30 years

**Normal Packing:** Carton (Maximum 45kg)

**Storage Condition:**

- To ensure maximum performance, Dasheng products in a dry, ventilated area.
- Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements.
- Avoid prolonged storage at temperatures above 40°C or below -20°C.
- Product installation should be done in accordance with local health and safety regulations.

**Shelf Life:** 2 years, under correct storage condition.

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