

Viscoelastic Tape

Viscoelastic tape is an advanced and high-performance viscoelastic polyolefin material that combines the dual characteristics of solid adhesive materials and liquid adhesive materials. Under normal conditions, its viscoelasticity can be maintained for more than 50 years, and it has excellent adhesion, waterproof sealing, and simple and convenient on-site operation. Used for anti-corrosion and repair of buried pipeline joints, as well as anti-corrosion of special-shaped pipe fittings such as elbows, bends, tees, and insulated flanges.

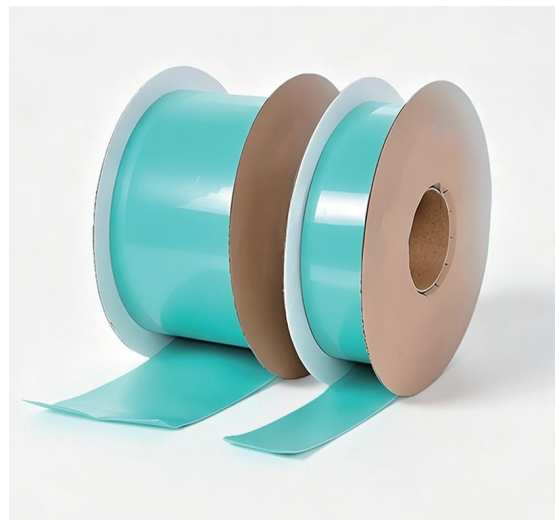
KEY FEATURES

1. Applied primer free
2. Superior resistance to cathodic disbondment
3. Superior resistance to chemical corrosion
4. Environmental friendly material
5. Longer life with self rehabilitation ability

APPLICATIONS

1. Clean the oil and dirty on structure
2. Remove oil paper on the bottom
3. Push the dome firmly to structure
4. Squeeze the dome to the welding
5. Push the lead wire down to Pipes

PRODUCT SPECIFICATIONS



Item		Performance Index	Test Standard
Appearance		Flat edges, smooth and clean surface	Visual
Color		Non Black	Visual
Min. Thickness (mm)		≥1.8	ISO21809-3 appendix. A
The maximum design temperature for drip drop is +15 °C (and should be at least >80 °C for 48 hours)		No drip drop	ISO21809-3 appendix. J
Resistance	RS100 , Ω.m ²	≥108	ISO21809-3 appendix. K
	RS100/RS70	≥ 0.8	

Item			Performance Index		Test Standard
Peel Strength(N/cm)	To Steel	-45℃	50	Adhesive coverage ≥95%	ISO21809-3 appendix. D
		23℃	≥2		
		Max. Temp.	-		
	To Pipe Coating	-45℃	50		
		23℃	≥2		
		Max. Temp.	-		
Peel strength after soaking in hot water(N/cm) (Maximum design temperature+20℃, 100d)	To Steel	23℃	≥2	Adhesive coverage ≥95%	ISO21809-3 appendix. D and I
		Max. Temp.	-		
	To Pipe Coating	23℃	≥2		
		Max. Temp.	-		
Peel strength after dry heat aging(N/cm)(Maximum design temperature+20℃, 100d)	To Steel	23℃	≥2	Adhesive coverage ≥95%	ISO21809-3 appendix. D and I
		Max. Temp.	-		
	To Pipe Coating	23℃	≥2		
		Max. Temp.	-		
Shear strength on overlap area (MPa)		-45℃	≥1.0	Adhesive coverage ≥95%	ISO21809-3 appendix. L
		23℃	≥0.02		
		Max. Temp.	-		
Volume resistance Ω·m			≥1×10 ¹²		IEC60093
Water absorption rate %			≤0.03		ASTM D570-98
Chemical resistant medium immersion (At room temperature, 90 days)		10% NaOH	No bubbling, no peeling		ISO 6450
		3% NaCl	No bubbling, no peeling		