Heat Shrinkable Sleeves RST & RSD

Product Description

RST is a heat shrinkable tubular sleeve and RSD is a heat shrinkable wrap-around sleeve with a separate closure. They are designed for corrosion protection of buried and exposed steel pipelines. The inner layer is two-components epoxy primer which coated on steel pipe; the middle layer is hot melt adhesive; the outer layer is the modified radiation crosslinked polyethylene backing. Once installed, the sleeve effectively bonds the steel substrates and common mainline pipe coatings including polyethylene and fusion bonded epoxy to form a continuous and durable corrosion protection system.

Features/Benefits

- Long-term corrosion protection
- Excellent coating compatibility
- Easy field installation
- Apply with the primer at "wet state"
- Saves time & money
- •• Provided in 2.0mm, 2.2mm, 2.5mm, 2.8mm, 3.0mm thickness

Properties of Hot Melt Adhesive

Physical Properties	Typical Values	Unit	Test Method
Thickness(min)	1.0	mm	ASTM D1000
Softening Point	110	℃	ASTM E28
Lap Shear Strength at 23 ℃	243	N/cm²	ASTM D1002
Lap Shear Strength at 100℃	7	N/cm²	ASTM D1002

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Properties of Backing

Physical Properties	Typical Values	Unit	Test Method
Thickness(min)	1.0	mm	ASTM D1000
Specific Gravity	0.94	g/cm^3	ASTM D792
Tensile Strength	24	Mpa	ASTM D638
Elongation	600	%	ASTM D638
Hardness	50	Shore D	ASTM D2240
Volume Resistivity	1×10^{17}	Ohm-cm	ASTM D257
Dielectric Breakdown	32	KV	ASTM D149
Water Absorption	0.1	%	ASTM D570
Water-Vapour Transmission	0.05	$g/ m^2 \cdot 24h$	ASTM E96

Properties of Installed Sleeve

Physical Properties		Typical Values	Unit	Test Method
Thickness(min)		2.0	mm	ASTM D1000
Impact Resistance		20	N·m	ASTM G14
Peel strength	To Primer Steel	160	N/cm	ASTM D1000
	To PE Lining	100	N/cm	ASTM D1000
Cathodic Disbondment, 23℃, 28d		8	mm	ASTM G8