

PLA

Tubular sleeve for pipeline corrosion protection

The PLA is a heat shrinkable tubular sleeve designed for corrosion protection of buried and exposed steel pipelines.

PLA consists of a crosslinked polyolefin backing, coated with a protective heat sensitive adhesive which effectively bonds to steel substrates and common pipeline coatings including polyethylene and fusion bonded epoxy.

Rapid & Reliable Installation

- PLA consists of a unique tubular configuration that has been factory constructed, resulting in a quick and reliable field installation.
- PLA is manufactured with a specially formulated adhesive to accommodate demanding operating temperatures and soil stress conditions.

Long Term Corrosion Protection

- PLA provides excellent resistance to cathodic disbondment resulting in effective long term corrosion protection.
- The high performance crosslinked backing in combination with the specially formulated adhesive is engineered to have excellent resistance against temperature cycling, and chemical and environmental attack.

Saves Time & Money

- With PLA’s unique construction, less time is required handling, positioning and installing separate closures.
- This feature allows for a fast, simple and complete installation of the sleeve, with no primers required. This minimizes installation time and labour costs while promoting high production rates

SLEEVE OPERATING CHARACTERISTICS	TEST METHOD	TYPICAL VALUES
Pipeline Operating Temp.		Up to 55°C (131°F)*
Minimum Installation Temp.		60°C (140°F)
Main Line Coating Compatibility		PE, FBE
Adhesive Properties		
Softening Point	ASTM E28	72°C
Lap Shear @ 23°C	ISO 21809-3	60 N/cm ²

SLEEVE OPERATING CHARACTERISTICS	TEST METHOD	TYPICAL VALUES
Backing Properties		
Tensile Strength	ASTM D638	20 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	46 Shore D
Volume Resistivity	ASTM D257	10 ¹⁷ ohm-cm
Sleeve Properties		
Adhesion Strength @ 23°C	ISO 21809-3	35 N/cm
Impact Resistance	ISO 21809-3	Pass
Indentation Resistance	ISO 21809-3	Pass
Cathodic Disbondment @ 23°C, 28 days	ISO 21809-3	13 mm rad
Low Temp. Flexibility	ASTM D2671-C	-32°C
Thickness		
Backing (nominal thickness as supplied)		0.6 mm (0.025")

* Actual temperature rating is dependant on specific project requirements and conditions. Please consult your local Canusa representative.

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