

## 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.



#### Applications



Oil & Gas



Water Pipelines



Utility Poles



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Sleeve Operating Characteristics	Test Method	Typical Values
Pipeline Operating Temp.		Up to 55°C (131°F)*
Minimum Installation Temp.		60°C (140°F)
Mainline Coating Compatibility		PE, FBE
Adhesive Properties		
Softening Point	ASTM E28	72°C
Lap Shear @ 23°C	ISO 21809-3	60 N/cm <sup>2</sup>
Backing Properties		
Tensile Strength	ASTM D638	20 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	46 Shore D
Volume Resistivity	ASTM D257	10 <sup>17</sup> 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")
Adhesive (nominal thickness as supplied)		0.9 mm (0.035")

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

**Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.**