

PLX – Canusa’s Versatile End Cap

High shrink end cap for pre-insulated pipes

Canusa PLX is a high-stretch, heat shrinkable product designed for sealing and protection of pre-insulated pipe foam cut-backs. Cross-linked polyethylene combined with a sealing adhesive results in a barrier impenetrable to moisture ingress for a range of operating temperatures. PLX End Caps can be factory or field installed to not only be used to protect the exposed insulation during the service life, but also during pipe transportation and storage. The sealing adhesive utilized with the PLX End Caps is compatible with bare steel, Fusion Bonded Epoxy and polyethylene substrates.

Product Application Flexibility

PLX End Caps are supplied in both **tubular** and **wrap-around** configurations:

- Factory constructed **tubular** design reduces product handling and positioning time during installation and eliminates the need for the installation of the closure seal.
- **Wrap-around** configuration allow for installation of the End Cap after the pipe welding stage, or in situation where installation of a tubular product is not practical.

Customizable End Seal Solution

- Bonded sheet design enables **cost effective** fabrication of tubular PLX End Caps even for the largest pipe sizes.
- Adjustable product recovery (shrink down percentage) ensures sealing across a **wide range of pipe step-downs and profiles**.

Effective Sealing

- Cross-linked polyethylene backing creates exceptional conformance of the PLX End Caps to the shape of the foam cut-back.
- Purpose designed sealant utilized with this product activates upon exposure to heat during the product’s installation and forms a **moisture tight barrier** between the PLX and the underlying substrates.



Applications



Pre-Insulated Pipes & Step Down Joints



Oil & Gas



Water Pipelines



End Seal



High Temperature



Operating Characteristics	Test Method	Typical Values
Pipeline Operating Temp.	-	Up to 120°C
Adhesive Properties		
Water Absorption	ASTM D570	< 0.1 %
Lap Shear @ 23°C	EN 12068	17 N/cm ²
Low Temp. Flexibility	ASTM D2671	-15°C
Backing Properties		
Tensile Strength	ASTM D638	22 MPa
Elongation	ASTM D638	600
Hardness	ASTM D2240	48 Shore D
Dielectric Voltage Breakdown	ASTM D149	27 kV/m
Water Absorption	ASTM D570	0.05 %
Sleeve Properties		
Adhesion Strength@ 23°C	ISO 21809-1	14 N/cm

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications.



Product Selection Guide & Sizing

Product Size	Supplied/Recovered (mm)	Max. Jacket Pipe OD mm	Min. Service Pipe OD mm
PLX-65 125/50-250 BK	125/50	110	48
PLX-65 140/55-250 BK	140/55	125	55
PLX-65 160/60-250 BK	160/60	140	60
PLX-65 175/65-250 BK	175/65	160	65
PLX-65 200/70-250 BK	200/70	180	70
PLX-65 220/85-250 BK	220/85	200	85
PLX-65 260/100-250 BK	260/100	225	100
PLX-65 280/110-250 BK	280/110	250	110
PLX-65 310/125-250 BK	310/125	280	125
PLX-65 350/140-300 BK	350/140	315	140
PLX-65 400/150-300 BK	400/150	355	150
PLX-65 450/160-300 BK	450/160	400	160
PLX-65 500/190-300 BK	500/190	450	190
PLX-65 550/210-450 BK	550/210	500	210
PLX-65 560/220-450 BK	560/220	520	220
PLX-65 610/230-450 BK	610/230	560	230
PLX-65 680/245-450 BK	680/245	630	245
PLX-65 710/250-450 BK	710/250	670	250
PLX-65 750/265-450 BK	750/265	710	265
PLX-65 825/290-450 BK	825/290	780	290
PLX-65 850/300-450 BK	850/300	800	300
PLX-65 950/335-450 BK	950/335	900	335
PLX-65 1050/375-450 BK	1050/375	1000	375
PLX-65 1150/405-450 BK	1150/405	1100	405
PLX-65 1250/440-450 BK	1250/440	1200	440

PLX-65 denotes 65% shrinkdown option. 25% and 40% recovery options are also available. Please note that adhesive rolls are supplied separately. (ECS - End Cap Sealant)

How to Order: PLX and ECS

PLX-65 260/100-250 BK		Ordering Options	ECS-B 30-15 BK		Ordering Options
Colour Sleeve Width Supplied/Recovered Recovery		PLX-65	Colour Roll Length Roll Width (as supplied) Sealant Thickness		ECS
		BK - Black			BK - Black
		250, 300, 450 mm (10, 12, 18")			15 m (50 ft)
		260 mm/100 mm			30 mm (1.25")
		65%			1.25 mm (0.050")

Consult your Canusa-CPS representative for specific projects, unique application or Wrap-around configuration.

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Quality Management system registered to ISO 9001

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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