

Polyken® Pipeline Coatings



POLYKEN® Utility Tape

System Description

The Polyken utility tape coating systems have a rich tradition in the pipeline industry since their introduction in 1950. Designed specifically for the gas utility, oil field, and plumbing industries, the polyethylene backing and butyl rubber adhesive are highly conformable and remain flexible over a wide temperature range.

Product Advantages

- Established and proven performance
- Exceeds LT 1512-A, LT-0077, and MIL I-7798
- Conformable to irregular shapes specifications
- Hand or machine application
- Compatible with most generic plant coating systems

System Products

Polyken #900

General utility tape designed for small diameter pipe applications on elbows, fittings, field joints, and pipe sections. Highly conformable hand applied system for tight uniform protection on a wide variety of metal substrates.

Polyken # 910

All purpose field applied tape coating system for use in the oil patch and gas fields. Suited for hand application on a variety of steel structures common to the oil field. Frequently used for small makeshift repair and temporary corrosion protection behind protection diameter pipe gathering systems.

Polyken # 911 # 908

General utility tape coating system for temporary makeshift repair of primary coating systems. Engineered for either hand or machine application, (only 911, not 908) the system is suited for the in-ground protection of joints, elbows, and tees.

Polyken # 920

General utility tape coating system to be used where higher mechanical protection is required. Designed for hand or machine application, the conformable polyethylene backing delivers a tough, uniform corrosion protection system.

System Components

1027 Primer Layer
Percent solids: 30%
Wt/gal: 7.3 lbs

Flash point: 40° F
Also available: low VOC and zero VOC primer

Utility Coating

Roll width: 1, 2, 4, 6 inch
Roll length: 100 feet
Colors: Black, gray, yellow

Physical Properties

	# 900	# 908	# 910	# 911	# 920
Thickness:					
Total Thickness	12 mils	8 mils	10 mils	9 mils	20 mils
• ASTM D 1000	0.3 mm	0.20 mm	0.25 mm	0.23 mm	0.51 mm
Backing Thickness	8 mils	5 mils	6 mils	6 mils	15 mils
Adhesive Thickness	4 mils	3 mils	4 mils	3 mils	5 mils
Tensile Strength:	5 lbs/in	12 lbs/in	18 lb/in	25 lb/in	35 lb/in
• ASTM D 1000	44 N/10 mm	21 N/10 mm	32 N/10 mm	44 N/10 mm	61 N/10 mm
Elongation	175%	300%	250%	100%	250%
• ASTM D 1000					
Peel Adhesion to Primed Pipe:	← 100 oz/in 11 N/10 mm →				
• ASTM G 17					
Dielectric Strength:	13 kv	7 kv	8 kv	13 kv	16 kv
• ASTM D 149					
Water Vapor Transmission Rate:	← 0.05 g/100 in ² /24 hr - 0.8 g/100 cm ² /24 hr →				
• ASTM F 1249 100°F, 100%RH					
Holiday Detection Voltage:	4.3 kv	3.5 kv	4.0 kv	3.8 kv	5.6 kv
• NACE RP-02-74					
Temperature Range:	← -30° to 150°F -34 to 66°C →				
• Normal in-ground service					

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



Local Distributor / Representative:

For contact details of local Distributors / Representatives
 Please visit www.berrycpg.com.

Headquarters : Berry Plastics Tapes & Coatings Division, Franklin MA, USA

Franklin, MA, USA

Tel: +1 508 918 1714
 US Toll Free: +1 800 248 0149
 Fax: +1 508 918 1910
 CPG@berrypastics.com

Houston, TX, USA

Tel: +1 713 676 0085
 US Toll Free: 01 888 676 7202
 Fax: +1 713 676 0086
 CPGH@berrypastics.com

Tijuana, Mexico

Tel US: +1 866 9 CORROSION
 Fax US: +1 619 424 4258
 Tel Mexico: +52 664 607 0926
 Fax Mexico: +52 664 623 6463
 CPGTJ@berrypastics.com

Aarschot, Belgium

Tel: +32 16 55 36 00
 Fax: +32 16 55 36 74
 CPGE@berrypastics.com

Baroda, India

Tel: +91 2667 264721
 Fax: +91 2667 264724
 CPGIN@berrypastics.com