

Polyken

Utility Tape



Market	Applications	Temperature Range	Performance
Oil, Gas or Water pipelines Refineries Wellhead, Gathering & Flow Lines	Oil/gas field applications for gathering & flow lines	up to 66°C (150°F)	AWWA C-209

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 Components

- **Max operating temperature**
66°C (150°F)
- **Recommended primer**
1027
- **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

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 make-shift 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.

Product Properties

Properties	Test Method	Typical Value				
		#900	#908	#910	#911	#920
Total thickness	ASTM D1000	12 mils 0.30 mm	8 mils 0.20 mm	10 mils 0.25 mm	9 mils 0.23 mm	20 mils 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	ASTM D1000	25 lbs/in 44 N/10 mm	12 lbs/in 21 N/10 mm	18 lbs/in 32 N/10 mm	25 lbs/in 44 N/10 mm	35 lbs/in 61 N/10 mm
Elongation	ASTM D1000	175%	300%	250%	100%	250%
Peel adhesive to primed steel	ASTM D1000	← 100 oz/in 11 N/10 mm →				
Dielectric strength	ASTM D149	13 kV	7 kV	8 kV	13 kV	16 kV
Water vapor transmission rate	ASTM F1249 100°F, 100% RH	← 0.5 g/100 in ² /24hr 0.8 g/100 cm ² /24 hr →				
Holiday detection voltage	NACE RP-02-74	4.3 kV	3.5 kV	4.0 kV	3.8 kV	5.6 kV
Temperature range	Normal-in-ground service	← -30° to 150°F -34° to 66°C →				

DS-UtilityTape-REV8-AUG12-A-RPS-0354



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