

# POLYKEN®

## #936 High U.V. Resistant/High Tack Joint Wrap Tape

Polyken® Pipeline Coatings

### System Description

Polyken 936 is a long-term UV resistant high tackjoint wrap for above or below ground use. This unique product is easily applied to field joints, fittings, tees and ells. The adhesive system on Polyken 936 retains its high tack properties at a range of temperatures from -30°F (-34°C) to 150°F (66°C). The polyolefinic backing has excellent conformability, and built-in resistance to environmental stress cracking (ESCR). In addition, the built in UV protection makes Polyken 936 an excellent candidate for above or below ground applications of joint wrapping, where top performance is required. Polyken 936 is available in black.

### Features and Benefits

- **Proven Optimum Corrosion Protection**

The combination of a butyl rubber based adhesive system and a high tech, high performance polyolefinic backing is a well-documented, successful product construction for long term protection of steel structures.

- **Strong Bond**

Polyken 936 achieves an immediate aggressive bond to primed steel surfaces, even at temperatures below freezing.

- **Versatile**

Polyken 936 can be used as a jointwrap or patch/repair material with all Polyken pipeline products, as well as with all major pipecoating systems.

- **Easy to Apply**

Polyken936 can be applied by hand or machine at ambient temperature with Polyken primer.

- **Meets Many Standards**

Polyken 936 meets or exceeds many of the industrial standards as well as Federal and military specifications.

- **Conformable**

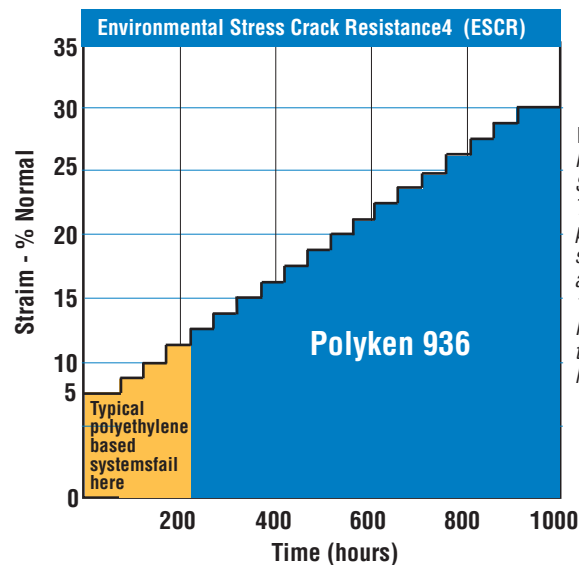
The combination of extreme conformability and elasticity allows a strong, tough, wrinkle-free coating, even on irregular structures such as valves, couplings, or fittings.

- **Environmentally Stable**

While conventional polyethylene backed products tend to environmentally stress crack at moderate strain levels, Polyken 936 resists cracking from stress caused by environmental accelerants such as soaps, oils, detergents, and other surface active agents.

*Test Methods:*

- 1) ASTM D-1000M
- 2) ASTM D-257
- 3) ASTM E-398
- 4) Polyken Environmental Stress Crack Resistance Test (Copies available on request.)



*When subjected to the Polyken Environmental Stress Crack Resistance Test, conventional polyethylene based tape systems typically fail at about 10-15% strain at 150-200 hours, where as Polyken's 936 accepts up to 30% strain at 1000 hours with no failures.*

## Product Properties

Backing: Polyolefinic based  
Adhesive: Butyl Rubber based

## Physical Properties

	English		Metric	
	936-30	936-50	936-30	936-50
<b>Thickness</b>				
• Backing	5 mils	12 mils	.127mm	.305mm
• Adhesive	25	38	.635	.965
• Total	30	50	.762	1.27
<b>Tensile Strength</b>	20	40 lb/in	3.57	7.11 kg/cm
• Elongation (1% at Break)	600%	600%	600%	600%
• Adhesion to Primed Steel	200	225 oz/in	2.24	2.52 kg/cm
• Compatible with coal tar, fusion bonded epoxy, asphalt and polyethylene pipe coatings				
<b>Electrical and Moisture Resistance</b>				
• Dielectric Strength	20 kv	22kv	20kv	22kv
• Insulation Resistance	1,000,000 megohms		1,000,000 megohms	
• Water Vapor Transmission Rate	0.05g/100 in <sup>2</sup> /25 hr		0.78g/m <sup>2</sup> /24 hr	

**Note:** Dielectric strength is not intended as a suggested holiday jeeping voltage. Refer to NACE Standard RP-02-74 for recommended holiday detection voltage.

Environmental Stress Crack Resistance (ESCR):

Test Methods:

1. ASTM D-1000M
2. ASTM D-257
3. ASTM E-398
4. Polyken Environmental Stress Crack

\*Contact a Berry Plastics representative for specific project recommendations.

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.



**CORROSION PROTECTION GROUP**

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