



POLYKEN® #956

YGIII OUTERWRAP

Basic Use

Polyken #956 is a tough protective pipeline outerwrap designed for use in plant coating operations. Its adhesive is formulated to bond aggressively to Polyken Innerwrap, creating a holiday-free system at the plant coating site. The high-density polyolefin backing of Polyken #956 protects the innerwrap from damage during transportation, handling and installation when reasonable care is exercised. thicknesses of 20, 25 and 30 mils are available in the Polyken #956 product line. Other thicknesses can be manufactured to order.

Product Features/Benefits

• Proven Performance

Polyken Outerwraps such as #956 have proven themselves in-ground on pipelines throughout the world over the past forty years. Polyken #956 will provide a mechanical protection to the pipeline under any climatic condition, in any terrain.

• Tough Mechanical Protection

High impact resistance qualities of Polyken #956 mechanical protection layer provide maximum protection to the primary coating during normal shipping, handling and installation.

• Easy Application

Polyken #956 is engineered to easily achieve a taut, smooth wrap over the Polyken Innerwrap.

• Strong Bond

A highly aggressive adhesive is employed for Polyken #956 to provide a superior bond to Polyken Innerwrap and assure a holiday-free finished coating when reasonable care is taken during handling and installation.

Product Construction

Backing Polyethylene, high/low density. Color: white

Adhesive Butyl rubber, synthetic resin

Product Properties

	Test Method	English			Metric		
Total Thickness	ASTM D 1000	20	25	30 mils	0.51	0.64	0.76 mm
Backing Thickness	ASTM D 1000	15	20	25 mils	0.38	0.51	0.63 mm
Adhesive Thickness	ASTM D 1000	5	5	5 mils	0.13	0.13	0.13 mm
Tensile Strength	ASTM D 1000	48	60	60 lb/in width	84	105	105 kg/cm width
Elongation	ASTM D 1000	500	500	500%	500	500	500%
Adhesion to Backing	ASTM D 1000	50	45	45 lb/in width	5.5	4.9	4.9 kg/cm width

* Peak average of adhesion to it's own backing

Electrical and Moisture Resistance

Dielectric Strength	ASTM D 1000	21	21	23 kV	21	21	23 kV
Insulation Resistance	ASTM D 257	1,000,000 megohms			1,000,000 megohms		
Water Vapor Transmission Rate	ASTM E 398	<0.2 gm/100 in ² /24 hr.			<0.03 gm/100 cm ² /24 hr.		

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

Temperature Range:

Normal Application (ambient temperature)	-30°F to 160°F	-34°C to 71°C
Normal Service (operating temperature)	-30°F to 185°F	-34°C to 85°C

DS-956-REV3-Febl10

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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