

DENSO BUTYL 35™ TAPE

Polyethylene/Butyl Rubber Pipeline Tape - Black

Description

Denso Butyl 35 Tape is a polyethylene backed tape with a butyl rubber adhesive. It is compatible with coal tar, fusion bond epoxy, asphalt and polyethylene pipeline coatings.

Uses

- Above and below ground piping
- Specialty piping
- Field weld joints
- Fittings & Tees

Features

- Excellent adhesion to pipe and self
- Resistant to UV
- Good conformability and consistent uniform thickness
- Easily applied with no special equipment
- Compatible with common pipe coatings
- Excellent resistance to cathodic disbonding
- Meets AWWA C209 Standard
- Cold applied with high tack adhesive
- Strong bond with excellent sealing properties

Surface Prep

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC-SP2 (Hand Tool Cleaning), SSPC-SP3 (Power Tool Cleaning) or SSPC-SP6 (Commercial blast). Surface must be clean, dry and free of grease.

Application

If required apply primer to surface prior to applying tape and allow to dry. The minimum roll temperature for application shall be 60°F (18°C). Peel back interleaving and apply adhesive side of the tape to the surface and press down. Apply the tape spirally with enough tension to make it conform. Remove interleaving as wrapping proceeds. Overlap each turn by at least 1" (25 mm) or



TECHNICAL DATA SHEET

55% to achieve double thickness.

Irregular surfaces such as valves, flanges, etc. may require the use of Densyl™ Mastic or Denso Profiling Mastic™. Refer to the product data sheets for these specific products for information on application and selection.

Product Conditions

The minimum roll temperature for application shall be 60°F (16°C).

Storage

Denso Butyl shall be stored in a dry and ventilated location. The storage temperature shall be a minimum of 35°F (1.7°C) and a maximum of 110°F (44°C).

Packaging

Tape Width	Rolls*/Case	Coverage with 1" (25 mm) Overlap	Coverage with 50% Overlap
in.	ea.	ea.	ea.
2" (50 mm)	24	100 ft ² /case (9.3 m ² /case)	100 ft ² /case (9.3 m ² /case)
4" (100 mm)	12	150 ft ² /case (14 m ² /case)	100 ft ² /case (9.3 m ² /case)
6" (150 mm)	8	167 ft ² /case (15.5 m ² /case)	100 ft ² /case (9.3 m ² /case)

*All rolls are 50 feet (15 m) in length. Other roll widths are available on request.

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TECHNICAL DATA

PROPERTIES	ENGLISH	METRIC
Tensile Strength	23 lb/in width	10.43 kg/m width
Elongation at Break (ASTM D1000)	250%	250%
Dielectrical Strength (ASTM D1000)	20 kV	20 kV
Water Vapor Transmission (ASTM E398)	< 0.2 g/100 in ² /24 hour	< 0.2 g/645.2 cm ² /24 hour
Resistance to Hydrocarbons	Good	Good
Resistance to Acids, Alkalis and Salts	Excellent	Excellent
Temperature Range		
For Application	35°F to 110°F	1.7°C to 44°C
For Continuous Service	0°F to 160°F	-18°C to 60°C
Recommended Holiday Test Voltage		
Single Layer	10 kV	10 kV
Double Layer	15 kV	15 kV
Dimensions		
Roll Length	50 feet	15 m
Roll Width	2", 4", 6"	50 mm, 100 mm & 150 mm
Thickness (ASTM D1000)		
Backing	2 mil	51 microns
Adhesive	33 mil	838 microns
Total	35 mil	889 microns
Color		
Backing		Black
Adhesive		Gray



DENSO NORTH AMERICA

HOUSTON:
 9710 Telge Road,
 Houston, Texas,
 U.S.A. 77095
 Tel: 281-821-3355
 Fax: 281-821-0304

TORONTO:
 90 Ironside Crescent,
 Unit 12, Toronto,
 Ontario, Canada M1X1M3
 Tel: 416-291-3435
 Fax: 416-291-0898

www.densona.com

info@densona.com

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