

# **DENSO HOTLINE TAPE**

## **High Temperature Petrolatum Tape**

### **Description**

Denso Hotline Tape is composed of a synthetic fabric impregnated with a special blend of high temperature petrolatum, mineral fillers and thermal extenders.

### **Uses**

A specifically developed tape for use in high temperature applications. Ideal for pipe work above or below ground, underneath pipe insulation or for pipes laid in concrete.

### **Features**

- Service temperature up to 230°F for above ground (180°F for below ground)
- Applied to marginally prepared surfaces (SSPC SP 2-3)
- UV resistant
- Resistant to water, acid, salts & soil organics
- Encapsulation of lead paint
- Contains no solvents
- Easy applications from arctic to tropical temperatures
- Ready for immediate service after application

### **Application**

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC SP2 "Hand Tool Cleaning" or SP3 "Power Tool Cleaning". High pressure water wash of 3,000 - 7,000 psi is also suitable. Apply a thin layer of Denso HT Primer when initial pipe temperature is below 90°F (32°C). Spirally wrap the tape with a minimum 1" overlap. For severely corrosive environments, a 55% overlap is recommended. While wrapping, press air pockets out and smooth all lap seams. Where tape rolls need to be joined, ensure that the overlap is sufficient between rolls to provide continuous protection. For below ground applications, an approved Denso outerwrap is recommended.

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



# Denso Hotline Tape

## PROPERTY SPECIFICATIONS

| PROPERTIES   | ENGLISH                    | METRIC                      |
|--|----------------------------|-----------------------------|
| <b>Thickness</b> (ASTM D1000)                                    | 46 mils                    | 1.15 mm avg.                |
| <b>Weight</b>  | .295 lbs/ft <sup>2</sup> . | 1.44 kg/m <sup>2</sup> avg. |
| <b>Breaking Strength</b> (ASTM 1000)                             | 22.5 lbf/in.               | 200 N/50 mm min.            |
| <b>Elongation @ Break</b>  | 15% avg.                   | 15% avg.                    |
| <b>Breakdown Voltage</b> (55% overlap)                           | 16 kV min.                 | 16 kV min.                  |
| <b>Resistance to Cathodic Disbonding</b><br>(ASTM G-8 - 30 days) | .31 in <sup>2</sup> avg.   | 200 mm <sup>2</sup> avg.    |
| <b>Maximum Service Temperature</b>                               |                            |                             |
| Above Ground   | 230°F                      | 110°C                       |
| Below Ground   | 180°F                      | 83°C                        |
| <b>Roll Widths</b>   | 2" to 12"                  | 50 to 300 mm                |
| <b>Roll Length</b>   | 33 ft                      | 10 m                        |

## Quantity Estimates

| Tape Width | Rolls*/ Case | Coverage with 1" Overlap  | Coverage with 55% Overlap |
|------------|--------------|---------------------------|---------------------------|
| in.        | ea.          | ea.                       | ea.                       |
| 2"         | 36           | 87 ft <sup>2</sup> /case  | 87 ft <sup>2</sup> /case  |
| 4"         | 18           | 145 ft <sup>2</sup> /case | 87 ft <sup>2</sup> /case  |
| 6"         | 12           | 162 ft <sup>2</sup> /case | 87 ft <sup>2</sup> /case  |
| 8"         | 8            | 150 ft <sup>2</sup> /case | 77 ft <sup>2</sup> /case  |
| 12"        | 6            | 177 ft <sup>2</sup> /case | 87 ft <sup>2</sup> /case  |

\*All rolls are 33 feet in length.



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