

DENSO HOTLINE TAPE

High Temperature Petrolatum Tape

Description

Denso Hotline Tape is specifically developed tape for use in high temperature applications. It is composed of a synthetic fabric impregnated with a special blend of high temperature petrolatum, mineral fillers and thermal extenders. It is backed with a thin high density polyethylene film.

Uses

- Corrosion protection on high-temperature pipelines (above ground) up to 230°F (110°C)
- Wrap protection for hot pipework under insulation
- Protection of pipes set in concrete with elevated service temperatures
- Buried high-temperature pipe and fitting corrosion prevention (with compatible outerwrap)
- Corrosion barrier for valves, flanges, and specials on high-temp systems

Features

- Meets NACE RP0375
- Service temperature up to 230°F (110°C) for above ground (180°F / 83°C 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
- CSA Z245.30 compliant

Surface Prep

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 (20.68 - 48.26 MPa) is also suitable.



TECHNICAL DATA SHEET

Application

Spirally wrap the tape with a minimum 1" (25 mm) 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. *Note: for pipes with operating temperatures below 90°F (32°C), a thin layer of Denso Paste HT may be applied to aid in adhesion.*

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.

Storage

Store in a dry, well-ventilated area between 40°F and 90°F (4°C to 32°C) in original, unopened containers.

Cleaning

Dispose of in accordance with federal, state and local regulations. See Safety Data Sheet (SDS) for further information.

HSE

See Safety Data Sheet (SDS) for further information.

Packaging

Each tape roll is individually enclosed in a sealed plastic wrapper to prevent the tape from sticking to other tape rolls and to protect it from foreign contaminants during storage.

Roll Width	Roll Length	Rolls*/ Case	Coverage with 1" Overlap	Coverage with 50% Overlap
in.	ft.	ea.	ea.	ea.
2" (50 mm)	33' (10 m)	36	87 ft ² /case (8.08 m ²)	87 ft ² /case (8.08 m ²)
4" (100 mm)	33' (10 m)	18	145 ft ² /case (13.47 m ²)	87 ft ² /case (8.08 m ²)
6" (150 mm)	33' (10 m)	12	162 ft ² /case (15.05 m ²)	87 ft ² /case (8.08 m ²)
8" (200 mm)	33' (10 m)	8	150 ft ² /case (13.94 m ²)	77 ft ² /case (7.15 m ²)
12" (300 mm)	33' (10 m)	6	177 ft ² /case (16.44 m ²)	87 ft ² /case (8.08 m ²)

TECHNICAL DATA SHEET

Tech Data

Properties	Imperial	Metric
Thickness (ASTM D1000)	46 mils	1.15 mm avg.
Weight	0.295 lbs/ft ² .	1.44 kg/m ² avg.
Breaking Strength (ASTM 1000)	22.5 lbf/in.	200 N/50 mm min.
Elongation @ Break	15% avg.	15% avg.
Breakdown Voltage (55% overlap)	16 kV min.	16 kV min.
Resistance to Cathodic Disbonding		
(ASTM G-8 - 30 days)	0.31 in ² avg.	200 mm ² avg.
Maximum Service Temperature		
Above Ground	230°F	110°C
Below Ground	180°F	83°C



DENSO, INC.

LIBERTY SALES & DISTRIBUTION, LLC



PHONE: 877-373-0118

FAX: 888-850-3787

EMAIL: sales@libertysales.net

WEB: www.libertysales.net

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