



Approved Quality Management System  
AS/NZS ISO 9001:2008  
Lloyds Register-Certificate  
No. MEL 0927759

**Technical Data Sheet**  
**DENSO TAPE**

|   |   |
|---|---|
| <b>Description:</b>                           | Synthetic fabric based tape impregnated and coated with petrolatum based compounds.   |
| <b>Composition:</b>                           | Non-woven synthetic fabric carrier fully impregnated and coated with neutral petrolatum based compounds.<br>Includes inert siliceous mineral fillers.   |
| <b>Characteristics:</b>                       | <ul style="list-style-type: none"> <li>• stable in composition and plasticity over a wide temperature range</li> <li>• non hardening and non cracking</li> <li>• accommodates vibration and movement of substrate</li> <li>• highly resistant to mineral acids, alkalis and salts</li> <li>• will adhere and remain attached to clean, sound, wet or dry metal surfaces</li> </ul>                                    |
| <b>Uses:</b>                                  | For corrosion protection, sealing and water proofing of metal above and below ground.<br>Protection of pipelines, joints, fittings, cables, tensioning members.   |
| <b>Surface Preparation &amp; Application:</b> | Clean metal surfaces with a wire brush.<br>Firmly adherent rust and scale need not be removed.<br>A thin film of Denso MP Primer should be applied before wrapping.<br>Wrap tape without overstretching. Apply heavily coated side of the tape to the metal surface.<br>Smooth down and mould by hand especially all overlapped edges.<br>A 55 % overlap of tape should be applied to provide a double layer of tape. |
| <b>Recommended Temperatures:</b>              | Application: - 5 to + 45 °C<br>Service: - 20 to + 50 °C<br>Peak: + 55 °C  |
| <b>Storage:</b>                               | In cool, dry, ambient conditions, in original cartons away from heat and direct sunlight.   |
| <b>Available Dimensions:</b>                  | Widths: 25, 50, 75, 100, 150, 200, 300 mm.<br>Length: 10 metre roll, minimum.<br>Other sizes available by special arrangement.  |

| <b>Physical Properties:</b> | <b>Test</b>  | <b>Test Method</b>      | <b>Units</b>           | <b>Value</b>                       |
|-----------------------------|--|-------------------------|------------------------|------------------------------------|
|                             | Thickness  | ASTM D751               | mm                     | 1.40 ± 0.30                        |
|                             | Weight   | ASTM D751               | kg/m <sup>2</sup>      | 1.44 ± 0.18                        |
|                             | Density  | ASTM D1475              | kg/L                   | 1.03                               |
|                             | Breaking Strength  | ASTM D1000              | N/mm                   | 6.0 ± 1.0                          |
|                             | Elongation at Break  | ASTM D1000              | %                      | 15 ± 4                             |
|                             | Breakdown Voltage<br>- double layer                                    | ASTM D149               | kV                     | ≥ 16                               |
|                             | Water Vapour Transmission Rate<br>- single layer                       | ASTM E96                | g/m <sup>2</sup> .24hr | 0.25 ± 0.16                        |
|                             | Resistance to Cathodic Disbondment<br>- single layer<br>- double layer | ASTM G8, A<br>(30 days) | mm <sup>2</sup>        | < 700 (Group C)<br>< 500 (Group B) |

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