

# Denso Void Filler Type I

Pumpable petrolatum compound for the void between pipes of cables and protective sleeves

## Composition

Denso Void Filler Type I is a semi-solid petrolatum compound containing additives to ensure penetration, surface wetting, water displacement, and corrosion inhibition. It contains no metallic soaps or volatile organic compounds.

## Uses

Denso Void Filler Type I is specially formulated for pumping into the void between pipes or cables and protective sleeves. The compound can be pumped cold or warm and sets to a semi-solid paste.

### Areas of use

- Protective with steel
- Protective with zinc coated steel
- Suitable for use in HDPE ducting

## Characteristics

Denso Void Filler Type I is:

- VOC free,
- protective to steel,
- suitable for use up to 40°C,
- easy to apply, and
- suitable for use in a wide range of climates

## Application

See *Instructions for Use* for additional detail. Denso Void Filler Type I may be pumped cold (>20°C) using a Graco pump or similar. Or, it may be heated to allow pumping as a liquid at lower pressures. To be effective, the product should completely fill the void to exclude air, water and condensation.

Denso Void Filler Type I should be pumped in at the lowest end until it comes out a vent situated at the highest point.

Please contact Winn & Coales (Denso) Ltd for further advice on installation for specific applications.

Application Temperature: +20°C to +120°C.

## Availability

Denso Void Filler Type I is available in:  
25 L kegs  
200 L drums

Bulk deliveries may be available on request.

## Storage conditions

Store in a cool dry place in original packaging.

## Waste material

Please avoid or minimise waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

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## Typical Properties

Colour	Dark Brown	Visual
Non-volatile content (110°C)	100%	ASTM D2369
Sulfides	0.1 ppm	APHA 4500
Chloride content	None detected	ASTM D3634
Nitrates	0.2 ppm	ASTM D3867
Sulphates	0.3 ppm	ASTM D516
Water Washout @ 38°C <i>Bearing 1 Dried @ 115°C</i> <i>Bearing 2 Dried @ 115°C</i> <i>Average</i>	0.17% 1.53% 0.85%	ASTM D1264
Melting point (microcrystalline waxes)	67°C	ASTM D127
Copper Corrosion, 3 hrs @ 100°C	1a	ASTM D130
Copper Corrosion, 24 hrs @ 100°C	1a	ASTM D4048
Rust Prevention Properties, 48 hrs @ 52°C	Pass	ASTM D1743
Volume resistivity @ 23°C	3.0 x 10 <sup>12</sup> Ω cm	ASTM D257
Oil Separation, 30 hrs @ 38°C	2.40%	ASTM D6184
Specific Gravity @ 23°C	0.9290	ASTM D70
Flash Point, Cleveland Open Cup	268°C	ASTM D92
Fire Point, Cleveland Open Cup	302°C	ASTM D92
Penetration	104	ASTM D937
Congealing Point	59.1°C	ASTM D938
Saponification Number	0.80 mg KOH/g	ASTM D94
Pressure Vessel Oxidation Test @ 100 hrs <i>Vessel 1</i> <i>Vessel 2</i> <i>Average</i>	21.4 psi drop 19.7 psi drop 20.6 psi drop	ASTM D942
Evaporation loss, 6.5 hrs @ 150°C	1.25%	ASTM D972
Neutralisation Number	0.67 mg KOH/g	ASTM D974

Important: Winn & Coales (Denso) Ltd pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request. Winn & Coales (Denso) Ltd operate a Quality Management System registered to BS EN ISO 9001 (BSI Certificate no. FM01548) and an Environmental Management System registered to BS EN 14001 (BSI Certificate 583748).

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Revision date: 13/10/2022

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