

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.

Denso Void Filler Type I

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> | 0.17% | ASTM D1264 |
| <i>Bearing 2 Dried @ 115°C</i> | 1.53% | |
| <i>Average</i> | 0.85% | |
| 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 ¹² 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> | 21.4 psi drop | ASTM D942 |
| <i>Vessel 2</i> | 19.7 psi drop | |
| <i>Average</i> | 20.6 psi drop | |
| 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).

Page 2 of 2
Revision date: 13/10/2022

WINN & COALES (DENSO) LTD
Denso House, 33-35 Chapel Road,
London, SE27 0TR
United Kingdom



TEL: +44 (0) 20 8670 7511
FAX: +44 (0) 20 8761 2456
WEB: www.denso.net
EMAIL: mail@denso.net