

INDUSIL™ 2640 FLUID



Description

Indusil™ 2640 Fluid is a combination of polydimethylsiloxane with polyoxyalkylene material. This combination gives properties which are unique to this type of material.

Product Features

1. Aqueous and non-aqueous surface tensions of organo-modified silicones are lower than conventional organic surfactants.
2. Readily soluble in cool water and most common solvents, also compatible with many organic resin systems.
3. Indusil 2640's antistatic qualities will dissipate static charge.
4. Indusil 2640 provides lubrication and slip properties to a number of substrates due to its low coefficient.
5. Economical as an additive with very low additions (0.1% to 1.0%) required.

Typical Properties

These values are not intended for use in preparing specifications (see table).

Method of Use

The amount required depends on the applications. When it is used as a coating additive the key is to avoid using an excessive amount. The product can be diluted with water and solvents. It should be added to cold water only as it is insoluble in hot water.

Applications

The addition of low concentrations of Indusil 2640 will significantly increase the wetting, spreading and levelling characteristics of many formulations. The types of products that can be improved from the addition of Indusil 2640 include the following:

Textile finishes
Cosmetics and toiletries
Coatings (ink and paint)
Lubricants
Release agents
Antifoams

Toxicity and Handling

Indusil 2640 is basically non-hazardous with a very low order of toxicity, although contact with the skin or contact with the eyes may cause irritation. See our Health and Safety sheet for more information.

Storage and Shelf Life

Store in a cool and dry conditions. area. When stored at below 32°C the product has a shelf life of 12 months from the date of shipment. Ideally do not allow the product to freeze.

Technical Service

Our technical and sales staff have considerable experience of the use of silicone products in a very wide variety of industries and the benefit of this experience is freely available to all our customers.

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Typical Properties

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|-------------------------|-------------------------------|
| Appearance: | Clear, slightly yellow liquid |
| Density (25°C): | 1.06 g/cm ³ |
| Viscosity cstks (25°C): | 350cSt |
| Flash point | >100°C |
| Shelf life: | 12 months |

Although every effort has been made to ensure that the information contained in this data sheet is reliable, we cannot be held responsible for the correctness of the information or for any loss, injury or damage which may result from its use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

Data Sheet
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