

Indusil™ ESS 110 Wetting Agent

Product Description

Indusil ESS 110 wetting agent is a low molecular weight, low viscosity polysiloxane modified with an organic group, enabling compatibility with various solvents and resins. Indusil ESS 110 wetting agent possesses the unique ability to help spread solvents onto substrates, as well as to disperse inorganic fillers in organic resins and oils.

Key Features and Typical Benefits

- Improved spreadability and the surface coverage of solvents onto substrates by lowering the surface tension of solvent
- Improved dispersibility of fine fillers in organic resins and oils

Typical Physical Properties

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| Appearance | Clear liquid |
| Viscosity at 25 °C, cSt | 3 |
| Pour Point, °C | -62 |
| Flash Point, (ASTM D93), °C | 110 |
| Refractive Index n_{25D} | 1.413 |

Typical properties are average data and are not to be used as or to develop specifications.

Potential Applications

- Spreading agent for mold release formulations
- Fine filler dispersion of plastic compounds
- Component of industrial cleaning formulations

General Considerations for Use

Indusil ESS 110 wetting agent is typically used as is. It is compatible with a large number of hydrocarbons, low molecular weight alcohols, esters, and most silicones. Indusil ESS 110 wetting agent is insoluble in water and propylene glycol.

Indusil ESS 110 wetting agent has a very low surface tension and, when used as a 50:50 blend with oil-based formulations, can help improve the spreadability of solvent-based formulations, as well as disperse pigments and improve the stability of formulations.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Customer Service Centers

For additional information, please contact our Customer Service Team

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