

Indusil* ESS 110 silicone

Product Description

Indusil ESS 110 silicone is a solvent booster. It is based on a low molecular weight siloxane modified with an organic group. This unique material has the unusual ability to help solvents spread on a variety of substrates, penetrate, and release and help disperse fillers in resins and oils. Furthermore, it boasts a particularly low viscosity with a high boiling point, a combination that is very hard to achieve with typical solvents.

Key Features and Typical Benefits

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

Typical Physical Properties

Property	Typical Values
Appearance	Clear liquid
Viscosity (25 °C), cSt	3
Pour Point, °C	-62
Boiling Point, °C at 760mmHg	285
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

- Pigment dispersion of inks and coatings
- Fine filler dispersion of plastic compounds
- Spreading agent for coatings formulations

General Considerations for Use

Indusil ESS 110 silicone 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 silicone is insoluble in water and propylene glycol.

Indusil ESS 110 silicone has a very low surface tension and, when used as a 50:50 blend with oil based formulations, can help improve the spreadability of inks and coatings, 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.

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