

CoatOSil* 2816

Description

CoatOSil 2816 coating additive is a linear methyl end-capped ABA silicone-polyether (EO/PO) block copolymer. Its balance of silicone and polyether content renders it an excellent candidate to consider for use in solvent-borne, water-borne and UV/EB cured systems for wood, industrial and auto refinishing, as well as overprint vanishes and inks.

Key Features and Typical Benefits

- Improved slip and mar resistance
- Reduced coefficient of friction (COF)
- Good compatibility with many resin systems
- Good recoatability
- Low tendency to foam

Typical Physical Properties

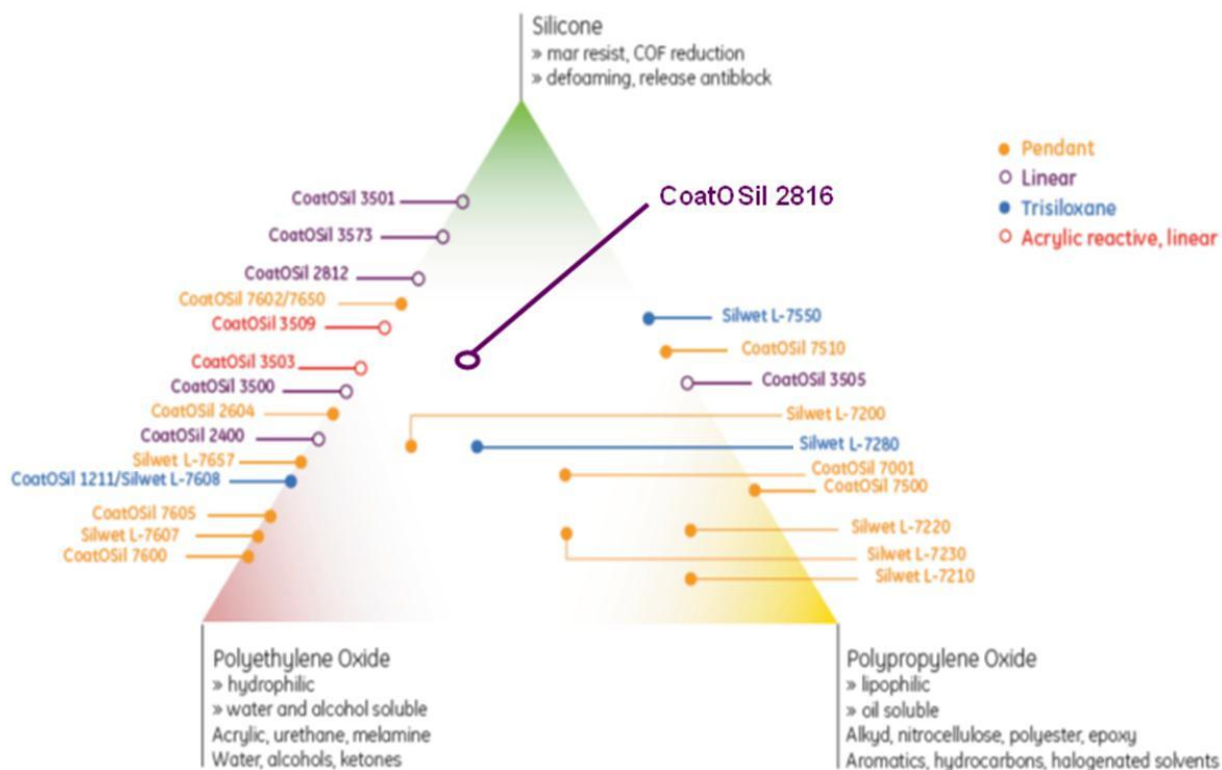
| Property | Value |
|---------------------------|---------------|
| Appearance | yellow liquid |
| Non-volatile content | 99+% |
| Molecular weight | ~3000 |
| Specific Gravity at 25 °C | 1.03 |
| Viscosity at 25 °C | ~150 cSt |
| Refractive Index | 1.439 |

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

Processing Considerations

- Typical recommended dosage is 0.02-1 percent on total formulation
- Easily incorporated with low shear mixing
- May be pre-diluted to simplify adding accurate low addition levels

Compatibility Illustration in the Triangle Diagram CoatOSil and Silwet* Products



Solubilities

D: disperse, S: soluble

| mixing ratio parts by weight | 1:2 | 1:9 | 1:19 |
|-----------------------------------|-----|-----|------|
| Water | S | S | S |
| IPA | S | S | S |
| Butyl acetate | S | S | S |
| dimethylbenzene | S | S | S |
| Petroleum ether | D | D | D |
| n-hexane | D | D | D |
| Propylene glycol monomethyl ether | S | S | S |

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

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Limitations

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For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

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