

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

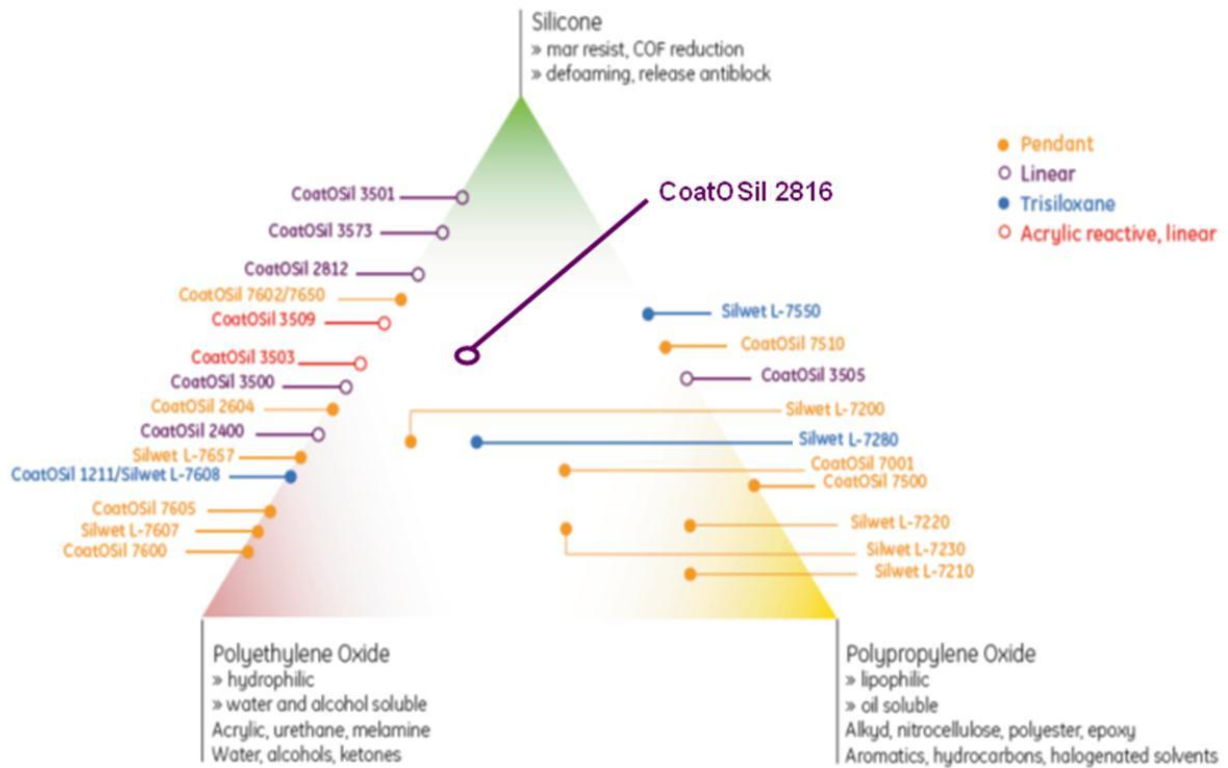
| Property | Value |
|---------------------------|---------------|
| Appearance | yellow liquid |
| Non-volatile content | 99+% |
| Molecular weight | ~3000 |
| Specific Gravity at 25 °C | 1.03 |
| Viscosity at 25 °C | ~150 cSt |
| Refractive Index | 1.439 |

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

Standard copy to come

Product Safety, Handling and Storage

Standard copy to come

Limitations

Standard copy to come

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