

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

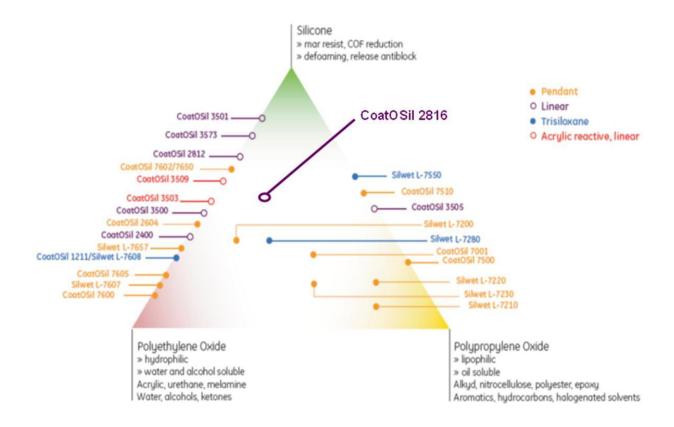
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Property	Value		
Appearance	yellow liquid		
Non-volatile content	99+%		
Molecular weight	~3000		
Specific Gravity at 25 °C	1.03		
Viscosity at 25 °C	~150 cSt		
Refractive Index	1.439		

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		
Proprylene 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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