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TECHNICAL DATA SHEET

**Silmer<sup>®</sup> OH Mo 1000**  
Monofunctional Hydroxyalkyl Silicone

**DESCRIPTION**

**Silmer<sup>®</sup> OH Mo 1000** is a 100% active cross-linkable monofunctional silicone pre-polymer. It is used to modify various polymers or as an additive in PU or other condensation cured resin systems to improve the surface and physical properties. The hydroxyl functionality in **Silmer OH Mo 1000** gives permanent binding with these polymers.

**TYPICAL PROPERTIES**

Appearance	Clear liquid
Colour, Gardner	1
Viscosity at 25°C, cps	25
Solid content	100%
Hydroxyl Value	~56
Equivalent weight	~1000

**APPLICATION & USES**

**Silmer OH Mo 1000** can be co-reacted into various condensation formed polymers for coatings, plastics, resins, composites and other applications to incorporate a silicone moiety into the polymer structure.

**Silmer OH Mo 1000** can also be cross-linked into a condensation cured coating, encapsulant, composite or other matrix. Typically **Silmer OH Mo 1000** is reactive with polymers that contain epoxide, carboxylic acid, esters, or isocyanate groups.

When co-reacted in either scenario, **Silmer OH Mo 1000** improves the surface and physical properties of the polymers. The benefits include durable slip, anti blocking, mar and stain resistance, surface smoothness, feel, flexibility, hydrophobicity.

For polymer modifications the typical dosage ranges between 2.0-5.0%. In curing applications, the amount recommended ranges between 0.1-1.5%.

**SHELF LIFE**

When stored between 10 and 40°C in the original unopened container, **Silmer OH Mo 1000** has a shelf life of 36 months from the date of manufacture.

**PACKAGING**

**Silmer OH Mo 1000** is supplied in 20kg pails and 200kg drums.

**LEGAL DISCLAIMER**

**Siltech Corporation** believes that the information in this technical data sheet is an accurate description of the typical uses of the product. **Siltech Corporation**, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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