

Andisil® OH

CAS# 70131-67-8



TYPICAL PROPERTIES*

APPEARANCE @ 25°C	Clear - slightly hazy colorless liquid
SPECIFIC GRAVITY @ 25°C	0.980
REFRACTIVE INDEX @ 25°C	1.4045

ANDISIL SILANOL FUNCTIONAL FLUIDS

PRODUCT NAME	DESCRIPTION
Andisil® OH 40	Low viscosity 3.5% silanol fl, 40 cSt
Andisil® OH 70	Low viscosity 1.25% silanol fl, 70 cSt
Andisil® OH 750	Silanol terminated 750 cps.
Andisil® OH 1,000	Silanol terminated 1,000 cps.
Andisil® OH 2,000	Silanol terminated 2,000 cps.
Andisil® OH 3,500	Silanol terminated 3,500 cps.
Andisil® OH 4,000	Silanol terminated 4,000 cps.
Andisil® OH 6,000	Silanol terminated 6,000 cps.
Andisil® OH 14,000	Silanol terminated 14,000 cps.
Andisil® OH 20,000	Silanol terminated 20,000 cps.
Andisil® OH 50,000	Silanol terminated 50,000 cps.
Andisil® OH 80,000	Silanol terminated 80,000 cps.
Andisil® OH 300,000	Silanol terminated 300,000 cps.
Andisil® MOH 100	Monofunctional Silanol Polymer, 100 cSt
Andisil® MOH 1,000	Monofunctional Silanol Polymer, 1,000 cSt
Andisil® MOH 10,000	Monofunctional Silanol Polymer, 10,000 cSt
Andisil® MOH 50,000	Monofunctional Silanol Polymer, 50,000 cps

* These properties are not intended to be used as specifications but only as suggested characteristics

DESCRIPTION

Andisil® OH Polymers are a series of silanol functional fluids with various viscosities and silanol contents. They are useful in the treatment of fillers and as Anti-Structuring additives in high consistency silicone rubber and silicone Room Temperature Vulcanizing (RTV) formulations. The low viscosity grades can be used as reactive diluents for high viscosity polymers to adjust the overall viscosity of the formulation. They have excellent stability and can be used with catalytic amounts of ammonium carbonate to treat reinforcing fillers in-situ. Andisil® OH products are pure and do not contain any plasticizers or additives.

Curing of the Andisil® OH series can be achieved by all usual condensation crosslinkers (i.e. alkoxy silanes, oxime silanes, acetoxy silanes) in conjunction with catalysts—the use of dibutyl tin dilaurate or stannous octoate have been found effective as catalysts for these reaction.

STORAGE & SHELF LIFE

The shelf life, when the container is stored unopened and under proper conditions, is expected to be a minimum of three years from the date of manufacture. It is recommended to ground the container when pouring or weighing a quantity into another container or vessel to eliminate the chance of a static discharge.

Andisil® OH Fluids must not be in contact or mixed with strong bases or alkali such as sodium hydroxide and potassium hydroxide to prevent the material from gelling or polymerizing. Mixing vessel and processing equipment must be clean and free of any strong basic contaminants.

PACKAGING & HANDLING

The Andisil® OH Fluids are supplied in 440 pound net weight steel lined drums, other packaging options are available upon request.

For additional information on the product, please contact your Sales Representative.

We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.