

Andisil® MH 20



TYPICAL PROPERTIES*

APPEARANCE	Clear, water-white liquid
VISCOSITY@ 25 °C	20 cSt
REFRACTIVE INDEX	1.3920
FLASH POINT, Pensky Martin Closed cup °C	112° C

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

DESCRIPTION

Andisil® MH 20 is a methyl hydrogen polysiloxane that is end-capped with trimethyl siloxy groups. The product is primarily used to treat powders to keep them dry, as an anticaking material and is highly water-repellent. Andisil® MH 20 Fluid is used in concentrations from 0.5 to 1.5 percent by weight and will encapsulate or coat the finest particles with a thin, cured coating. The fluid is used with cosmetic powders, fertilizers, silica, glass beads, titanium dioxide pigments, sodium chloride and lime. The product may be cured with steaming or an organo-tin salt, such as stannous octoate or dibutyl tin dilaurate. However, the process will produce hydrogen gas and proper safety conditions must be observed since the gas is flammable and can be explosive.

The Andisil® MH 20 is also reactive with vinyl silicone polymers in the presence of a platinum catalyst to produce a cured silicone rubber. However, the product will produce a very highly crosslinked rubber that will need to be adjusted or diluted to obtain a more suitable silicone rubber with improved elongation.

STORAGE

The shelf life, when the container is stored unopened and under proper conditions (in temperatures below 50 °F - do not allow to freeze), is expected to be a minimum of two years from the date of manufacture. It is not recommended to store the product outdoors since the material can become contaminated with water or moisture over time due to weather conditions.

Andisil® MH 20 should not be exposed to temperatures above 140 °F. This will cause the slow evolution of hydrogen gas and all containers must be opened and vented slowly to gently relieve any pressure build-up.

PACKAGING

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® MH 20 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.