



326 Exchange Drive
Arlington, Texas 76011
817-469-7777

Technical Data Sheet SPI-1020MH

Properties	Values
Appearance	Clear, water-white liquid
Viscosity @ 25°C	20 cst
Refractive Index	1.3920
Flash Point, Pensky Martin Closed cup °C	112°C

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Silicones Plus materials. Please contact our Technical Service Department for assistance in writing specifications.

Description:

SPI-1020MH 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. SPI-1020MH 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 dibutyltin 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 SPI-1020MH 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 twelve months. 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. SPI-1020MH 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.

SPI-1020MH packaging options are available upon request.

Company Details:

Silicones Plus, Inc.

P: 817-469-7777

www.siliconesplus.com

326 Exchange Drive Arlington, Texas 76011

F: 817-303-7070

Email: samples@siliconesplus.com