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TECHNICAL DATA SHEET

Silmer[®] H Di-E2

Di-functional and multi-functional Silicone
Hydride Pre-polymer

DESCRIPTION

Silmer[®] H Di-E2 is a reactive di-functional and multi-functional silicone hydride pre-polymer. It is used as a cross linking agent for addition cure system with vinyl functional polymers.

TYPICAL PROPERTIES

Appearance	Clear liquid
Viscosity, cps @ 25°C	9-14
Active Content, %	100
Specific Gravity @ 25°C	1.01
Molecular Weight	1,174
Equivalent Weight	168
SiH content, %	0.595

Application & Uses

Silmer[®] H Di-E2 is used as a crosslinking agent for addition cure systems with pre-polymer containing vinyl functional groups. A platinum catalyst is typically required to initiate the cure. The desired mix ratio depends on the chain length of the vinyl functional polymers and percentage of hydride in the cross linker. The mix ratio will determine the desired mechanical and physical properties of the cured material. The curing rate is also temperature dependent.

Silmer[®] H Di-E2 can be used as a hydrophobic treatment of powders or granular materials, raw materials and for making other silicone functional fluids.

SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silmer[®] H Di-E2** has a shelf life of 24 months from date of manufacture.

PACKAGING

Silmer[®] H Di-E2 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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