



SILTECH CORPORATION
225 Wicksteed Avenue
Toronto, Ontario, Canada, M4H 1G5
(416)424-4567 (Tel) (416)424-3158 (Fax)

TECHNICAL DATA SHEET

Silmer® VIN 2000

Reactive Silicone Pre-polymer

DESCRIPTION

Silmer® VIN 2000 is a linear di-functional silicone pre-polymer with reactive vinyl terminal end groups. It is used to modify various polymers in order to improve their surface and physical properties.

TYPICAL PROPERTIES

Appearance	Clear to hazy liquid
Colour, Gardner	1
Viscosity, cps	2000
Active Content %	100
Solubility (1 % & 10%)	
-Water	Insoluble
-IPA	Soluble
-Aromatic Solvents	Insoluble
Specific Gravity (25°C)	0.96
Molecular Weight	26,000
Equivalent Weight	13,000

APPLICATION & USES

Silmer VIN 2000 can be co-reacted into various polymers for coatings, plastics, resins and other applications to incorporate a silicone moiety into the polymer structure. When co-reacted during the polymerization stage, **Silmer VIN 2000** improves the surface and physical properties of the polymer. These benefits include better slip, antiblocking, mar resistance, surface smoothness, flexibility and hydrophobicity. The vinyl functionality in **Silmer VIN 2000** gives a permanent binding into the matrix of the polymers.

Typically **Silmer VIN 2000** is reactive with polymers that contain the following reactive groups and or system:

- epoxide
- carboxylic acid
- esters
- isocyanates

Typical usage levels are between 1.0 - 3.0% wt.

SHELF LIFE

When stored in the original, unopened containers between 10 and 40°C, **Silmer VIN 2000** has a shelf life of 36 months from date of manufacture.

PACKAGING

Silmer VIN 2000 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.

SILMER® is a registered trademark of Siltech Corporation, Toronto, Ontario, Canada.