

## SILSOURCE™ VF-65,000

VINYL TERMINATED POLYDIMETHYLSILOXANE

### PRODUCT DESCRIPTION

VF-65,000, Vinyl-terminated dimethylpolysiloxanes are available in a variety of viscosities. Vinyl terminated silicone fluid is a base polymer for addition-curing RVT-2k (room temperature vulcanizing two component), LSR (liquid silicone rubber) silicone rubber. The terminal vinyl groups take part in the vulcanization reaction with Crosslinking agents in the presence of Catalysts.

### TYPICAL PRODUCT DATA\*

Property	Unit	Typical Value
CAS\$	-	68083-19-2
Active ingredient	%	100
Formula		(C <sub>2</sub> H <sub>6</sub> OSi) <sub>n</sub>
Appearance	-	Colorless clear to slightly hazy liquid
Vinyl Content	%	0.026-0.034
Viscosity	cSt	58,500-71,500
Refractive Index	-	1.403-1.406
Specific Gravity	g/cm <sup>3</sup>	0.97-0.98
Purity	%	≥95%

\* These values are not intended to be used as specifications but as suggested characteristics

### PACKAGING

The size of the available packages can be checked with Sales Department. VF-65,000 is typically supplied in 190kg steel drums and 950kg IBC totes

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

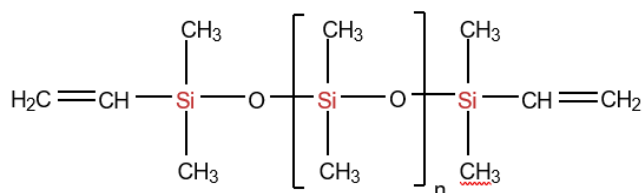
**LIMITATIONS:** Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Limited Warranty:** Silsource Inc. warrants to Buyer that for a period of 12 months from the date of manufacture of the products, such products will materially conform to Silsource Inc.'s specifications in effect as of the date of manufacture. This warranty does not apply where the products have (a) been subjected to abuse, misuse, neglect, negligence, accident, improper testing, improper installation, improper storage, improper handling, abnormal physical stress, abnormal environmental conditions, or use contrary to any instructions issued by Silsource Inc.; (b) been reconstructed, repaired, or altered by persons other than Silsource Inc. or its authorized representatives; or (c) been used with any third-party product or hardware that has not been previously approved in writing by Silsource Inc. Buyer's exclusive remedy for breach of the limited warranty shall be a refund of the purchase price or replacement of the product, at Silsource Inc.'s sole discretion.

**Disclaimer:** EXCEPT FOR THE EXPRESS LIMITED WARRANTY SET OUT ABOVE, SILSOURCE INC. MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS, INCLUDING ANY (A) WARRANTY OR CONDITION OF MERCHANTABILITY; (B) WARRANTY OR CONDITION OF FITNESS FOR A PARTICULAR PURPOSE; (C) WARRANTY OR CONDITION OF TITLE; OR (D) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY, WHETHER EXPRESS OR IMPLIED AND WHETHER ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, OR OTHERWISE. BUYER ACKNOWLEDGES THAT IT HAS NOT RELIED UPON ANY REPRESENTATION, CONDITION, OR WARRANTY MADE BY SILSOURCE INC., OR ANY OTHER PERSON ON SILSOURCE INC.'S BEHALF, EXCEPT AS SPECIFICALLY PROVIDED ABOVE.

VERSION: 1 Last updated: 24 April 2024

## TECHNICAL DATA SHEET



### TYPICAL FEATURES AND APPLICATIONS

VF6030-65000 can be used as base polymers or as blend polymers in order to create the desired hardness. These polymers can be cured with silicon-hydride crosslinkers and a platinum catalyst.

### INFORMATION FOR USE

Vinyl terminated polydimethylsiloxane is a type of siloxane polymer, where each silicon atom is bonded to two methyl groups (-CH<sub>3</sub>) and one vinyl group (-CH=CH<sub>2</sub>) at the terminal positions. This structure allows the polymer to undergo crosslinking reactions, making it highly versatile for applications requiring silicone elastomers, coatings, and adhesives. The vinyl groups at the ends of the polymer chain facilitate easy curing or vulcanization, particularly in applications where further chemical bonding or reaction is required.

### SHELF LIFE AND STORAGE

In the unopened original container VF-65,000 has a shelf life of one year in a dry and cool place.