

Element14™ PDMS 350

Element14* PDMS 350

INCI Name

Dimethicone

Product Description

Element14 PDMS medium viscosity oils are linear polydimethylsiloxane polymers with kinematic viscosities of 50, 100, 200, 350, 500 and 1,000 cSt.

Key Features and Typical Benefits

Silicones differ from organic compounds in both their physical and chemical properties.

- high and low temperature stability
- oxidative stability
- chemically inert
- low flammability
- low surface tension
- shear stability
- high compressibility
- low vapor pressure
- low odor
- soft, smooth silky feel
- non-oily feel
- spreadability
- low coefficient of friction
- lubricious



SILYCOM..MX

Miguel Hidalgo S/N INT 9
San Nicolas Tolentino, Méx. C.P. 50230



sfsilycom@hotmail.com
www.silycom.com



722 481 3280
722 303 5323

Typical Properties

	Element14 PDMS 50	Element14 PDMS 100	Element14 PDMS 200	Element14 PDMS 350	Element14 PDMS 500	Element14 PDMS 1000
Viscosity cSt	50	100	200	350	500	1000
Appearance	Clear, Colorless Liquid					
Specific Gravity at 25°C	0.96	0.97	0.97	0.97	0.97	0.97
Refractive Index at 25°C	1.4	1.4	1.4	1.4	1.4	1.4
Flash Point, Open Cup, °C	>300	>302	>302	>302	>302	>302
Pour Point, °C	-54	-47	-47	-47	-47	-47
Surface Tension Dynes/cm at 25°C	20.8	20.9	21	21.1	21.1	21.3

Potential Applications

Element14 PDMS medium viscosity oils may be considered for use in several industrial and consumer applications.

- heat and mechanical transfer fluid
- hydraulic fluid electrical insulating fluid
- water repellent
- polish ingredient
- mold release agent
- lubricant
- anti-foam
- personal care ingredient
- textile spin finishes
- paints and coatings additive



SILYCOM..MX

Miguel Hidalgo S/N INT 9
San Nicolas Tolentino, Méx. C.P. 50230



sfssilycom@hotmail.com
www.silycom.com



722 481 3280
722 303 5323

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information, and any special storage conditions required for safety. SILYCOM S.A DE C.V maintains an around- the-clock emergency service for its products. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order

Center. Use of other materials in conjunction with SILYCOM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Contact Information

Email : sfisilycom@hotmail.com



SILYCOM..MX



*All American
countries

Mexico
+52 55 2169 7670
Direct Number

**India, Middle East &
Africa**
+ 91 44 71212207
Direct number*

Japan
+81 3 5544 3111
Direct number

***All Middle Eastern
countries, Africa, India,** **Korea**
+82 2 6201 4600

DISCLAIMER:

THE MATERIALS, PRODUCTS AND SERVICES OF SILYCOM S.A DE C.V AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS

OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product,



service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.



SILYCOM.MX

Miguel Hidalgo S/N INT 9
San Nicolas Tolentino, Méx. C.P. 50230



sfsilycom@hotmail.com
www.silycom.com



722 481 3280
722 303 5323