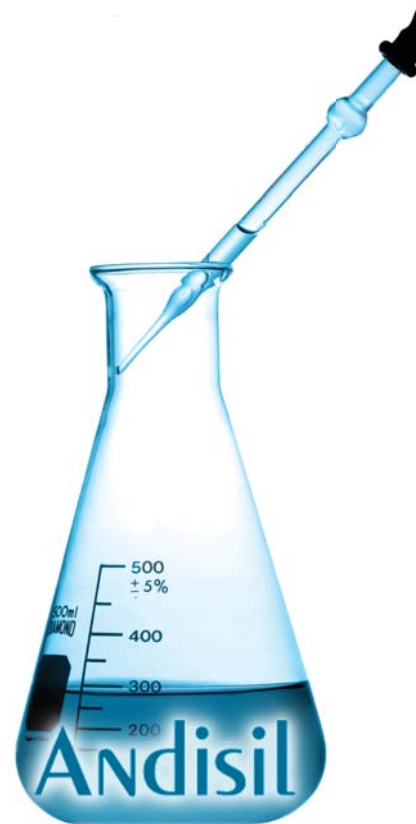




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We've got the right chemistry



Technical Data Sheet

ANDISIL SF 1421

Methyl Phenyl Silicone Fluid

VINYL TERMINATED

PRODUCT OVERVIEW

ANDISIL SF 1421 FLUID is a vinyl-terminated methyl phenyl polysiloxane containing 7.0 mole percent *phenyl*, used in the formulation of Addition-Curing, Two-Part RTV's for unique low temperature flexibility characteristics. The **ANDISIL SF 1421 FLUID** has been made to optimize the low temperature properties due to the specific amount of *phenyl* in the structure. Formulated Silicone RTVs made using the **ANDISIL SF 1421 FLUID** remain flexible down to about -90°C (-130°F) and are useful in applications such as Automotive and Aerospace.

MAINTAINING LOW TEMPERATURE FORMULATIONS

When compounding or formulating with **ANDISIL SF 1421 FLUID**, it is necessary to select a silicone diluent or plasticizer that will retain the low temperature characteristics of the formulation. Normally, the use of *dimethyl polysiloxane fluids* as a plasticizer will raise the low temperature flexibility. Therefore, it is recommended that one use a *methyl phenyl polysiloxane* fluid with about 10% by weight of *phenyl* to maintain low temperature flexibility.

ANDISIL SF 1421 FLUID also retains air more than an RTV made using only *dimethyl polysiloxane polymers*. As a result, it is important to de-air the material well prior to using and curing an RTV formula.

TYPICAL PROPERTIES OF ANDISIL SF 1421 FLUID

APPEARANCE @ 25°C	Clear to Slightly Hazy Liquid
VISCOSITY @ 25°C	1,000 cSts.
NONVOLATILE CONTENT, %	3.0% Maximum
SPECIFIC GRAVITY @ 25°C	0.99
REFRACTIVE INDEX	1.4200
VINYL CONTENT	0.135 mmoles/gm
FLASH POINT, OPEN CUP °C	275° C (>525° F)

** These properties are not intended to be used as specifications but only as suggested characteristics.*



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STORAGE & SHELF LIFE

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.

HANDLING

The **ANDISIL SF 1421 FLUID** is supplied in 440 pound net weight steel lined drums, other packaging options are available upon request.

For additional information on the product, please contact your Sales Representative.

We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.