

CATALYST 50-2

February 2018

PRODUCT DESCRIPTION

LOCTITE CAT 50-2 provides the following product characteristics:

Technology	Hardener
Appearance	Pale yellow
Product Benefits	Low viscosity
Cure	Room temperature cure
Application	Curing Agent

LOCTITE CAT 50-2 curing agent is recommended for the manufacture of silicone resins of the condensation type. This material should be considered a "moderate" catalyst, not yielding rapid or slow cures.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity	1.1
Storage Life @ 18 to 25°C, year	1

TYPICAL CURING PERFORMANCE**Cure Schedule**

24 hours @ 25°C

Sufficient cure should take place within this time so that the unit can be handled.

Full properties are developed in 4 to 5 days.

Cure time may be shortened by curing initially at 65°C. A postcure is recommended.

The above cure profiles are guideline recommendations. Cure conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer curing equipment, oven loading and actual oven temperatures.

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

DIRECTIONS FOR USE

1. Depending on the type of silicone resin used, add 0.2 to 0.5 grams of LOCTITE CAT 50-2 for each 100 grams of silicone resin.
2. Rate of cure increases somewhat as the amount of CATALYST is increased.
3. Pot life is 1 to 4 hours, depending on the amount of CATALYST and type of silicone resin used.

STORAGE:

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage : 18 to 25 °C

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Conversions $(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$ $\text{kV/mm} \times 25.4 = \text{V/mil}$ $\text{mm} / 25.4 = \text{inches}$ $\text{N} \times 0.225 = \text{lb}$ $\text{N/mm} \times 5.71 = \text{lb/in}$ $\text{psi} \times 145 = \text{N/mm}^2$ $\text{MPa} = \text{N/mm}^2$ $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$ $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$ $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$ $\text{mPa}\cdot\text{s} = \text{cP}$

Disclaimer**Note:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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