

Technical Data Sheet

LOCTITE STYCAST AE 4297

April 2019

PRODUCT DESCRIPTION

LOCTITE STYCAST AE 4297 provides the following product characteristics:

Technology	Ероху
Appearance,Resin (Component A)	Tan
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Appearance, Hardener (Component B)	Tan
Appearance (cured)	Tan
Components	Two components - requires mixing
Mix Ratio by volume: Part A: Part B	100 : 39
Mix Ratio, by weight - Part A: Part B	100 : 43
Cure	Room temperature or Heat cure
Application	Component assembly, NCA

LOCTITE STYCAST AE 4297 is a general purpose, room temperature cure adhesive.

TYPICAL PROPERTIES OF UNCURED MATERIAL Part & Properties LOCTITE STYCAST & 4297

Part A Properties LOCITE STYCAST AE 4297	
Viscosity, Brookfield - RVF, 25 °C, mPa·s (cP):	
Spindle 7, speed 2 rpm	600
Spindle 7, speed 10 rpm	250
Shelf Life @ 25°C (from date of shipment), days	356
Part B Properties LOCTITE STYCAST HD 3477	

Viscosity, Brookfield - RVF, 25 °C, mPa·s (cP):	
Spindle 7, speed 2 rpm	700
Spindle 7, speed 20 rpm	300
Shelf Life @ 25 °C, days	365
Shelf Life @ 25°C (from date of shipment), days	365

Mixed Properties LOCTITE STYCAST AE 4297 with LOCTITE STYCAST HD 3477

Pot Life @ 25 °C, 100 gm mass, minutes	20
Flash Point - See SDS	

TYPICAL CURING PERFORMANCE

Recommended Cure Schedule 24 hours @ 25°C

Alternate Cure Schedule

2 hours @ 60°C

The above cure profile is a guideline recommendation. 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.

TYPICAL PROPERTIES OF CURED MATERIAL Physical Properties

30.3
1,750
2,300
0.125
10.4
0.14
0.45
6.11
10.6
17.4
17.4
0.89
0.228
0.220
0.606
0.50.404
3.52×10 ¹⁴
1.97×10 ¹²
1.16×10 ¹²

GENERAL INFORMATION

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



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.

STORAGE:

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

Liquid Storage - Liquids should be stored at 25°C or below, in closed containers. If stored below 23°C, the material MUST be allowed to come to room temperature, in the sealed container, to avoid moisture contamination.

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.

Conversions

 $(^{\circ}C x 1.8) + 32 = ^{\circ}F$ kV/mm x 25.4 = V/mil mm / 25.4 = inches N x 0.225 = lb N/mm x 5.71 = lb/in psi x 145 = N/mm² MPa = N/mm² N·m x 8.851 = lb·in N·m x 0.738 = lb·ft N·mm x 0.142 = oz·in mPa·s = 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 and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Reference 1

Mouser Electronics

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Loctite:

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