

**PRODUCT DESCRIPTION**

LONGAIN UF6938T provides the following product characteristics:

<b>Technology</b>	Epoxy
<b>Appearance</b>	Black liquid
<b>Product Benefits</b>	<ul style="list-style-type: none"><li>● One component</li><li>● Thixotropic</li><li>● Fast cure at moderate temperatures</li><li>● Low Tg</li><li>● Low modulus</li><li>● Reworkable</li><li>● Pb-free applications</li></ul>
<b>Cure</b>	Heat cure
<b>Application</b>	Encapsulant
<b>Typical Package Application</b>	CSP and BGA

LONGAIN UF6938T is designed to provide an flexible, low Tg material for encapsulating components on a PCB. When cured, this material provides physical protection and stable electronic performance and protection in temperature/humidity/bias testing.

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

Viscosity, Brookfield CP51, 25 °C, mPa·s (cP):

Speed 20 rpm 6,700

Thixotropic Index (2/20 rpm) 5.8

Specific Gravity 1.2

Pot Life @ 25°C, days 3

Shelf Life @ -20°C, days 270

Flash Point - See SDS

**TYPICAL CURING PERFORMANCE****Recommended Cure Schedule**

8 minutes @ 130°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**

Hardness, Shore D 27

Coefficient of Thermal Expansion, TMA, ppm/°C:

Below Tg 57

Above Tg 217

Glass Transition Temperature, (Tg) by TMA, °C 2

Storage Modulus, DMA @ 25 °C N/mm<sup>2</sup> 466  
(psi) (67,590)

Thermal Conductivity, W/(m·K) 0.22

**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.

**THAWING:**

1. Allow container to reach room temperature before use.

**Storage**

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

**Optimal Storage: -20°C. Storage below -40°C or above -15°C can adversely affect product properties.**

Material removed from containers may be contaminated during use. Do not return product to the original container. Longain 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.

**Note**

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Longain Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Longain Corporation's products. Longain Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Longain Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

---