

# LCBA250-A1

- Syntactic, Low Density, Edge-Fill System
- Single Component Epoxy Bulk Adhesive
- Nominal 250°F Cure

**Description:**

LCBA250-A1 is an edge-fill epoxy bulk adhesive, with excellent physical properties and long storage life at room temperature. LCBA250-A1 has excellent latency, and can be cured at 250°F (121°C) in 60 minutes. The system can be used as a filler in many applications and also as an edge fill system for honeycomb panels. The system may be used for out of autoclave processes.

**Typical Properties as Received:**

Property	Value	Test Method
Density, g/mL	0.65	ASTM D-1622
Color	Off White	Eyesight
Viscosity, cP, at 77°F (25°C)	Viscous Paste	-
Working Life, days, at 77°F (25°C)	30	ASTM D-1338
Shelf Life, months, at at -40°F (-40°C)	3	-
Shelf Life, months, at at 0°F (-18°C)	6	-

**Cure Schedule:**

Typical cures are from 245°F (118°C) to 275°F (135°C) for 60 minutes. A 90 minute post cure can be used to obtain a higher T<sub>g</sub>.

**CAUTION: Do not have bulk material sitting after mixing in amounts greater than 50g. After mixing, spread material immediately on surfaces. Any excess material must be spread out using a squeegee to thickness not exceeding quarter inch so as to minimize exotherm.**



## LCBA250-A1

### Typical Properties Once Cured\*:

Property	Value	Test Method
Tensile Shear Strength, psi (MPa), at 77°F (25°C)	~2000 (13.78)	ASTM D-1002
Weight gain,%, after 24 hour immersion in water at 77°F (25°C)	<2	ASTM D-543

\*Properties are presented for purpose of comparison; no guarantee is extended or implied regarding properties.

### Long Term Storage:

LCBA250-A1 should be stored in a dry place, sealed in its original container. If stored at 77°F, the product will remain useable for 3 months after the date of shipping from Lattice Composites. If stored at 0°F (-18°C), the product will remain useable for 6 months after the date of shipping from Lattice Composites. Short term increases in temperature do have a detrimental effect on shelf life and it is important to keep the material refrigerated.

### Precautions:

Lattice Composites ships all products with Safety Data Sheets (SDS). These sheets are compiled and maintained to allow all of Lattice Composites customers to protect their customers and employees against any known health or safety hazards. It is strongly suggested that users of our products review the appropriate SDS before use allowing them to make informed decisions about any necessary actions needed to protect themselves and their employees. Copies of the latest SDS for any product can be obtained by contacting our offices at (951) 826-1101.

### Disclaimer:

The values stated in this data sheet in no way constitute a guarantee or warranty of any kind. The values are obtained by averaging laboratory test results. The actual values that a customer will get depend upon individual processing and sample conditions. It is highly recommended that the user conduct their own experiments to ascertain properties.

Proper care should be taken at all times with regard to handling and use of this material. The purchaser and/or user should obtain Safety Data Sheets, containing information on hazards, toxicity, storage and handling, from Lattice Composites. The purchaser and/or user should ensure that all persons who will be in contact with products are trained regarding their use, storage and disposal. All persons using Lattice Composites products should use appropriate personal protective equipment. Lattice Composites accepts no responsibility or liability regarding any injury or damages resulting from the use of its products.