

## Loctite® 3534 Glob Top Encapsulant

Category : Polymer , Adhesive , Thermoset

### Material Notes:

COB/DCA Encapsulants are essential to the reliability of flip chip assemblies because they minimize the thermal mismatch between the flip chip and substrate. Loctite® Underfills and Encapsulants improve assembly operations by providing superior reliability and faster throughput. Improved reliability is achieved through products that have a high Tg, low CTE, high throughput and excellent adhesion. Faster throughput and higher yields are achieved through faster flow characteristics and increased cure speeds. Loctite® 3534 Glob Top Encapsulant A glob top encapsulant for transistors, smart cards, diodes and ICs in Chip-On-Board (COB) applications where potting wells/indentations are not provided.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Loctite-3534-Glob-Top-Encapsulant.php](http://www.lookpolymers.com/polymer_Loctite-3534-Glob-Top-Encapsulant.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	
Viscosity	70000 cP	70000 cP	Haake cone and plate rheometer @ 5/sec (35mm/2° cone)

Thermal Properties	Metric	English	Comments
CTE, linear	19.0 µm/m-°C	10.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Glass Transition Temp, Tg	155 °C	311 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+15 ohm-cm	3.00e+15 ohm-cm	
Surface Resistance	2.00e+16 ohm	2.00e+16 ohm	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	Full Cure
	@Temperature 150 °C	@Temperature 302 °F	
Shelf Life	3.00 Month	3.00 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Color	Black	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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