

## Loctite® 3564 Fast flow epoxy, moderate CTE and Tg Fast Flow Underfill

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Encapsulant, Unreinforced

### 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® 3564 Fast flow epoxy, moderate CTE and Tg Fast Flow Underfill. An extremely fast flowing, rapid cure underfill for industrial and consumer flip chip applications. Withstands operating temperatures up to 125°C.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Loctite-3564-Fast-flow-epoxy-moderate-CTE-and-TgFast-Flow-Underfill.php](http://www.lookpolymers.com/polymer_Loctite-3564-Fast-flow-epoxy-moderate-CTE-and-TgFast-Flow-Underfill.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	
Viscosity	3000 cP	3000 cP	Haake cone and plate rheometer @ 5/sec (35mm/2° cone)

Mechanical Properties	Metric	English	Comments
Tensile Modulus	3.10 GPa	450 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 µm/m-°C	19.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Glass Transition Temp, Tg	125 °C	257 °F	

Processing Properties	Metric	English	Comments
Cure Time	20.0 min	0.333 hour	
	@Temperature 150 °C	@Temperature 302 °F	
Shelf Life	3.00 Month	3.00 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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