



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Strain Gage Adhesive

OTHER ACCESSORIES USED IN AN M-BOND 200 INSTALLATION:

- CSM Degreaser or GC-6 Isopropyl Alcohol
- Silicon Carbide Paper
- M-Prep Conditioner A
- M-Prep Neutralizer 5A
- GSP-1 Gauze Sponges
- CSP-1 Cotton Applicators
- PCT-2M Gage Installation Tape



DESCRIPTION

For routine experimental stress analysis applications under temperate environmental conditions, M-Bond 200 adhesive is ordinarily the best choice. This adhesive is very easy to handle, and cures almost instantly to produce an essentially creep-free, fatigue-resistant bond, with elongation capability of five percent or more.

M-Bond 200 is a cyanoacrylate that has been pretested and certified for use in bonding strain gages. It is an excellent general-purpose adhesive for laboratory and short-term field applications. The procedure for making a strain gage installation with M-Bond 200 is illustrated and described in detail in Instruction Bulletin B-127 included in each kit of adhesive.

The user should note that the performance of the adhesive can be degraded by the effects of time, humidity conditions, elevated temperature, and moisture absorption. Because of the latter effect, strain gage installations should always be covered with a suitable protective coating. When necessitated by more rigorous test requirements and/or environmental conditions, consideration should be given to one of the M-Bond epoxy adhesives, using the “Recommended Adhesives/Strain Gage Series” chart.

CHARACTERISTICS			
PARAMETER	DETAILS		
CURE REQUIREMENTS	One-minute thumb pressure, followed by a minimum two-minute delay before tape removal. Bond strength increases rapidly during first five minutes. Cure time must be extended under conditions of low temperature [$<70^{\circ}\text{F}$ ($<21^{\circ}\text{C}$)] or low humidity ($<40\%$ RH).		
OPERATING TEMPERATURE RANGE	<table border="0"> <tr> <td style="text-align: center;">Short Term: -300° to $+200^{\circ}\text{F}$ (-185° to $+95^{\circ}\text{C}$).</td> <td style="text-align: center;">Long Term: -25° to $+150^{\circ}\text{F}$ (-32° to $+65^{\circ}\text{C}$).</td> </tr> </table>	Short Term: -300° to $+200^{\circ}\text{F}$ (-185° to $+95^{\circ}\text{C}$).	Long Term: -25° to $+150^{\circ}\text{F}$ (-32° to $+65^{\circ}\text{C}$).
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ELONGATION CAPABILITIES	$>5\%$ at $+75^{\circ}\text{F}$ ($+24^{\circ}\text{C}$), 3% at $+75^{\circ}\text{F}$ ($+24^{\circ}\text{C}$) when used with CEA or EA/Option E strain gages.		
SHELF LIFE	<p>Minimum 12 months when stored unopened at $+40^{\circ}\text{F}$ ($+5^{\circ}\text{C}$) or minimum 9 months when stored unopened at $+75^{\circ}\text{F}$ ($+24^{\circ}\text{C}$).</p> <p><i>Note:</i> To ensure a proper seal, wipe bottle spout clean and dry before replacing cap.</p> <p><i>Note:</i> Condensation rapidly degrades adhesive performance and shelf life; if refrigerated, allow adhesive to reach room-temperature before opening. Refrigeration after opening is not recommended.</p>		
POT LIFE	Maximum 3 months at $+75^{\circ}\text{F}$ ($+24^{\circ}\text{C}$) (not to exceed date of expiration) after opening. Replace the cap immediately after each use.		

PACKAGING OPTIONS	
KIT	BULK
1 bottle (1 oz/28 g) Adhesive 1 brush-cap bottle (30 ml) Catalyst	1 bottle (1 oz/28 g) Adhesive 5 tubes (2 g each) Adhesive 16 bottles (1 oz/28 g each) Adhesive 12 brush-cap bottles (30 ml each) Catalyst



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