

## Light Weld® 914-A

Dymax Light Weld® 914-A adhesive is a solvent-free, easy to use, aerobic acrylic formulation designed for manual and fully automated dispensing systems. 914-A's instant UV cure speed and adhesion properties make it the product of choice for wire tacking applications on printed circuit boards (PCBs).

914-A is a UV curable, 100% solids product that cures very rapidly when exposed to a 365 nm spot wand. An extremely rapid cure speed, good adhesion to common PCB materials and masks, and shock absorbing capability are among the many advantages of 914-A. This product is in full compliance with RoHS directives 2015/863/EU.

### UNCURED PROPERTIES (not specifications)

Solvent Content	None	
Color	Straw	
Toxicity	Low	
Shelf Life	One Year	
Flash Point	>93°C (200°F)	
Viscosity	12,000 cP (nominal)	ASTM D-1084

### CURED PROPERTIES (not specifications)

Maximum Cure Depth	.375"	
Durometer	D70	ASTM D-2240
Tensile Strength at Break	3000 psi	ASTM D-638
Elongation at Break	40%	ASTM D-638
Water Absorption	1.6%	ASTM D-570

### CURE DATA

<u>Adhesive</u>	<u>Time</u>	<u>Intensity</u> <sup>(1)</sup>	<u>Dymax Lamp</u>
1/8" diameter bead	2 seconds	450 mW/cm <sup>2</sup>	PC-3

### STORAGE AND SHELF LIFE

Store the material in a cool, dark place when not in use. Do not expose to light. This product may polymerize upon prolonged exposure to ambient and artificial light. Keep covered when not in use. This material has an 18-month shelf life from date of manufacture, unless otherwise specified, when stored between 10°C (50°F) and 35°C (90°F) in the original, unopened container. Do not expose to UV light source or sunlight.

### CAUTION

For industrial use only. Avoid breathing vapors. Avoid contact with eyes and clothing. In case of contact, immediately flush with water for at least 15 minutes; for eyes, get medical attention. Wash clothing before reuse. Keep out of reach of children. Do not take internally. If swallowed, vomiting should be induced at once and a physician called. For specific information, refer to the Material Safety Data Sheet before use.



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Dymax Corporation  
+1.860.482.1010 | info@dymax.com | [www.dymax.com](http://www.dymax.com)

Dymax Europe GmbH  
+49 611.962.7900 | info\_de@dymax.com | [www.dymax.de](http://www.dymax.de)

Dymax Engineering Adhesives Ireland Ltd.  
+353 21.237.3016 | info\_ie@dymax.com | [www.dymax.ie](http://www.dymax.ie)

Dymax Oligomers & Coatings  
+1.860.626.7006 | info\_oc@dymax.com | [www.dymax-oc.com](http://www.dymax-oc.com)

Dymax UV Adhesives & Equipment (Shanghai) Co. Ltd.  
+86.21.37285759 | dymaxasia@dymax.com | [www.dymax.com.cn](http://www.dymax.com.cn)

Dymax UV Adhesives & Equipment (Shenzhen) Co. Ltd.  
+86.755.83485759 | dymaxasia@dymax.com | [www.dymax.com.cn](http://www.dymax.com.cn)

Dymax Asia (H.K.) Limited  
+852.2460.7038 | dymaxasia@dymax.com | [www.dymax.com.cn](http://www.dymax.com.cn)

Dymax Asia Pacific Pte. Ltd.  
+65.6752.2887 | info\_ap@dymax.com | [www.dymax-ap.com](http://www.dymax-ap.com)

Dymax Korea LLC  
+82.2.784.3434 | info\_kr@dymax.com | [www.dymax.com/kr](http://www.dymax.com/kr)

### GENERAL INFORMATION

This product is intended for industrial use only. Keep out of the reach of children. Avoid breathing vapors. Avoid contact with skin, eyes, and clothing. Wear impervious gloves. Repeated or continuous skin contact with uncured material may cause irritation. Remove material from skin with soap and water. Never use organic solvents to remove material from skin and eyes. For more information on the safe handling of this material, please refer to the Safety Data Sheet before use.

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