



Creative Materials, Inc.  
141 Middlesex Road  
Tyngsboro, MA 01879

T 978.649.4700  
F 978.649.2040

## 106-47

### FLEXIBLE HOT MELT ADHESIVE

**DESCRIPTION:** 106-47 is a flexible, hot melt adhesive. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional materials, this product is very resistant to flexing and creasing. Product can be rebonded many times by simply applying heat and slight pressure. Some applications for 106-47 include, but are not limited to, attachments for surface mounted devices and heat-sealing component enclosures. 106-47 is useful for applications requiring flexibility at very low temperatures.

#### **TYPICAL CURED PROPERTIES:**

Consistency	Liquid
Filler	None
Crease Resistance	Excellent
Volume Resistance ( $\Omega$ -cm)	$1 \times 10^{13}$
Hydrolytic Stability	Excellent
Useful Temperature Range ( $^{\circ}$ C)	-55 to 70

**SUGGESTED HANDLING & CURING:** 106-47 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner #203. To use, apply adhesive to surfaces to be bonded and dry for several minutes at 150 $^{\circ}$ C. Resulting film of adhesive is dry to the touch and will remain stable for over six months. To bond, place substrates together while heating to approximately 70 $^{\circ}$ C - 100 $^{\circ}$ C and applying slight pressure. End user is advised to experimentally determine temperature and time best suited for individual applications.

**STORAGE:** Shelf life: 6 months at 25 $^{\circ}$ C; or 9 months at 5 $^{\circ}$ C; or 12 months at -10 $^{\circ}$ C.

**SAFETY & HANDLING:** Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.