



## LOCTITE® ABLESTIK CF 3366

### HIGH-TEMPERATURE STABLE, SILVER-FILLED FILM ADHESIVE

LOCTITE® ABLESTIK CF 3366 is an epoxy-based, silver-filled film adhesive with high thermal and electrical conductivity designed for high-reliability applications such as those found in the aerospace sector. Within harsh conditions, LOCTITE ABLESTIK CF 3366 maintains its adhesion strength up to temperatures as high as 175°C, facilitating reliable thermal and electrical performance even during extended exposure to elevated temperatures. Available in custom-cut dimensions, LOCTITE ABLESTIK CF 3366 offers a clean, low cost-of-ownership alternative to paste adhesives.



#### Key Benefits

- **High and stable adhesion at elevated temperatures** – maintains adhesion strength up to temperatures as high as 175°C; capable in extreme environments
- **High electrical and thermal conductivity** – outstanding grounding and minimum thermal resistance to heat sink
- **Compatible with temperature-sensitive substrates and components** – cures at a low temperature of 125°C
- **Flexible** – allows use of material combinations with CTE mismatches
- **Customized preforms** – can be custom cut to accommodate highly complex dimensions for clean, easy application with no waste



LOCTITE ABLESTIK CF 3366 film adhesive is formulated for electrical, thermal and mechanical high-temperature assembly applications. The combination of adhesive properties ensures reliable RF ground plane performance suitable for extreme environmental conditions.

#### TYPICAL PROPERTIES OF UNCURED MATERIAL

Peak Exotherm Temperature (DSC) Ramp Rate, 10°C/min.	165°C ± 5°C
Work Life at 25°C (days)	91
Shelf Life at 5°C (days)	183

#### TYPICAL CURING PERFORMANCE

Cure Schedule at 150°C (min.)	60
Cure Schedule at 125°C (min.)	120
Cure Pressure	10 to 60 psi

#### TYPICAL PROPERTIES OF CURED MATERIAL

Glass Transition Temperature, T <sub>g</sub> (ppm/°C)	190	
Coefficient of Thermal Expansion (ppm/°C)	Below T <sub>g</sub> :	85
	Above T <sub>g</sub> :	195
Storage Modulus, DMA	25°C (N/mm <sup>2</sup> )	4,500
	100°C (N/mm <sup>2</sup> )	2,500
	150°C (N/mm <sup>2</sup> )	900
Volume Resistivity (Ω-cm at 25°C)	0.0003	

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[henkel-adhesives.com/electronics](http://henkel-adhesives.com/electronics)

**Henkel Corporation**  
14000 Jamboree Road  
Irvine, CA 92606  
United States  
+1.888.943.6535

**Henkel Europe**  
Nijverheidsstraat 7  
B-2260, Westerlo  
Belgium  
+32.1457.5611

**Henkel Asia**  
332 Meigui South Road  
WaiGaoQiao FTZ  
Shanghai 200131 China  
+86.21.3898.4800