



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

**Across the Board,
Around the Globe.** 
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