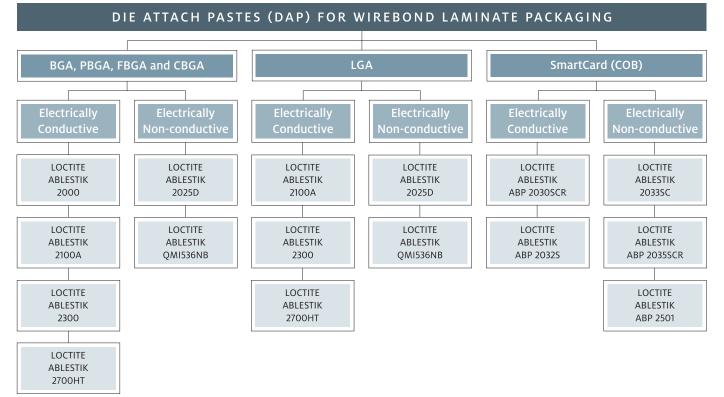


Die Attach Pastes

DIE ATTACH PASTES (DAP) FOR WIREBOND LAMINATE PACKAGING



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Die Attach Pastes

ELECTRICALLY CONDUCTIVE DIE ATTACH PASTES (DAP)

PRODUCT	DESCRIPTION	KEY ATTRIBUTES	DIE SIZE (mm)	SUBSTRATE FINISH	MOISTURE SENSITIVITY LEVEL, MSL	VOLUME RESISTIVITY (Ohm∙cm)	THERMAL CONDUCTIVITY (W/m·K)	RECOMMENDED CURE
LOCTITE ABLESTIK 2000	Ag-filled die attach adhesive	 Low bleed Low stress Ultra-low moisture absorption Fast oven cure with no voids 	≤ 12 x 12	Solder mask or Au	L2 260°C capable	5.0 x 10 ⁻⁴	1.2	30 min. ramp and 15 min. hold at 175°C
LOCTITE ABLESTIK 2100A	Ag-filled die attach adhesive	Low bleed Low stress Oven cure	≤ 12 x 12	Solder mask or Au	L2 260°C capable	5.0 x 10 ⁻²	1.2	30 min. ramp and 15 min. hold at 175°C
LOCTITE ABLESTIK 2300	Ag-filled die attach adhesive	 Low bleed Low stress Excellent dispensability Low voiding Oven cure 	≤ 8 x 8	Solder mask or Au	L2 260°C capable	5.0 x 10 ⁻²	0.6	30 min. ramp and 15 min. hold at 175°C
LOCTITE ABLESTIK 2700HT	Ag-filled die attach adhesive	Excellent bleed performance Long work life Strong hot/wet adhesion to Au Ideal for small needle dispensing Oven cure	≤ 3 x 3	Solder mask, Ag or Au	L3 260°C capable	3.0 x 10 ^{.5}	11.0	30 min. ramp and 30 min. hold at 175°C in nitrogen
LOCTITE ABLESTIK ABP 2030SCR	Ag-filled die attach adhesive	 Low stress Compatible with dam & fill encapsulants Excellent dispensing performance for high throughput application Snap cure 	≤ 10 x 10	Solder mask, Ag, Au or plastics	L3 260°C capable	2.0 x 10 ⁻⁴	2.0	120 sec. at 120°C
LOCTITE ABLESTIK ABP 2032S	Ag-filled, epoxy die attach adhesive	 Good adhesion to a variety of substrates Good dispensing characteristics Low temperature oven cure 	≤ 10 x 10	Solder mask, Ag, Au, steel or plastics	L3 260°C capable	2.0 x 10 ⁻⁴	1.0	60 min. at 80°C

ELECTRICALLY NON-CONDUCTIVE DIE ATTACH PASTES (DAP)

PRODUCT	DESCRIPTION	KEY ATTRIBUTES	DIE SIZE (mm)	SUBSTRATE FINISH	MOISTURE SENSITIVITY LEVEL, MSL	MODULUS AT 25°C (MPa)	THERMAL CONDUCTIVITY (W/m·K)	RECOMMENDED CURE
LOCTITE ABLESTIK 2025D	Silica-filled die attach adhesive	Low bleed Very low stress Red color for vision recognition Good adhesion to a variety of substrates Oven cure	≤ 8 x 8	Solder mask, Cu, Ag or Au	L3 260°C capable	407	0.4	30 min. ramp and 15 min. hold at 175°C
LOCTITE ABLESTIK 2033SC	Silica-filled die attach adhesive	 Long work life Low bleed Optimized rheology Snap cure 	≤ 8 x 8	Solder mask, Ni, Cu, Ag or Au	L3 260°C capable	2,100	0.35	90 sec. at 110°C
LOCTITE ABLESTIK ABP 2035SCR	Silica-filled die attach adhesive	Low stress Compatible with dam & fill encapsulants Excellent dispensing performance for high throughput application Snap cure or low temperature oven cure	≤ 5 x 5	Solder mask or Au	L3 260°C capable	1,500	1.0	2 min. at 120°C (snap)
LOCTITE ABLESTIK ABP 2501	Silica-filled, BMI hybrid die attach adhesive	Excellent dispensing performance for high throughput application Good adhesion performance for a wide die size range Low stress Snap cure	≤ 5 x 5	Solder mask, Ag or Au	L3 260°C capable	1,430	≈ 0.4	90 sec. at 110°C
LOCTITE ABLESTIK QMI536NB	PTFE-filled, BMI die attach adhesive	Low bleed Very low stress White color for vision recognition Widely used for stacked die Fast oven cure	≤ 8 X 8	Solder mask or Au	L1 260°C capable	300	0.3	30 min. at 150°C

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