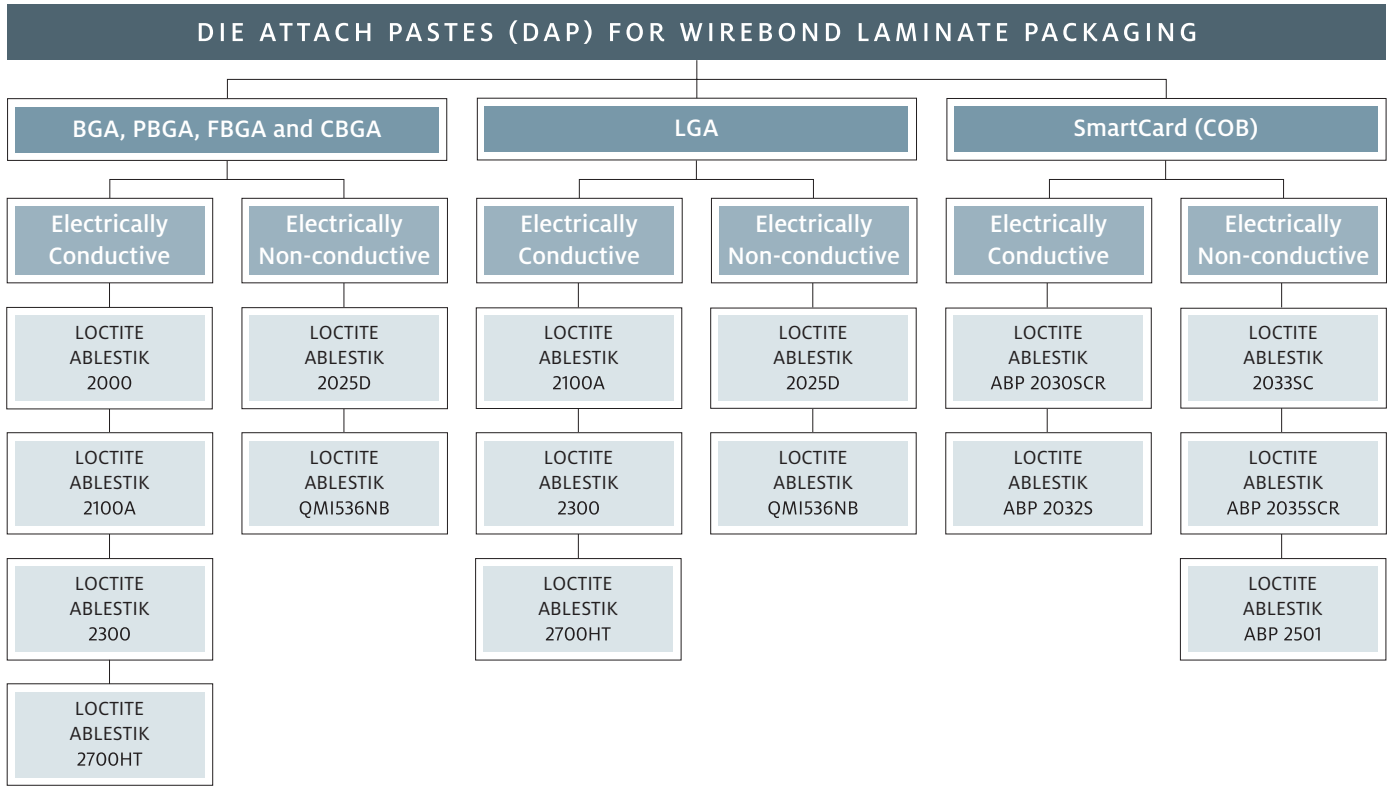


Die Attach Pastes

DIE ATTACH PASTES (DAP) FOR WIREBOND LAMINATE PACKAGING



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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 QM1536NB	PTFE-filled, BMI die attach adhesive	<ul style="list-style-type: none"> 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