

Electronic Adhesive

Adhesives for fingerprint sensor

Application 應用	Product 產品	Appearance	Viscosity黏度 (cps @ 25°C)	T.I 轉膠值	Tg(°C) 玻璃轉化溫度	Hardness硬度 (Shore D)	Work Life 工作時間 (Days)	Cure condition 固化條件	Characteristic 特性
Fixturer bonding	AD-1375HW	Ivory	20,000	5.5	63	14	2	Convection Oven 30m @ 70°C or Hot Plate 150s @ 70°C	Good impact resistance, Low RBO
	AD-1620	Black	67,000	1.1	90	50	3	Convection Oven 30m @ 80°C or Hot Plate 120s @ 120°C	Good adhesion with PC/SUS, High Viscosity
	TU-1930	Pale peach	1,350 (20rpm)	0.8	75	43	2	Convection Oven 30m @ 85°C or Hot Plate 2m @ 120°C	Good adhesion
	UC-3216	Pale yellow	4,000	2	75	75	10 (Hours)	365nm LED 3,000mj	Dual curable, High adhesion, Good water proofing
Sensor die attach bonding	DA-4051L	Red	8,000	3.8	78	32	3	Hot Plate 2m @ 120°C	Low warpage, Low viscosity, High adhesion
	DA-4051FC	Pink	17,500	5.5	75	31	3	Hot Plate 2m @ 100°C	Low warpage, Fast cure

Underfill adhesives

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Underfill for BGA/CSP/ WL-CSP	UF-1083	Black	1,300 (20rpm)	1	38	83	7	Convection Oven 30m @ 95°C or Convection Oven 15m @ 125°C or Reflow Oven 5m @ 150°C	Low temperature curable
	UF-1083C	Amber	1,300 (20rpm)	1	37	80	7	Convection Oven 30m @ 95°C or Convection Oven 15m @ 125°C or Reflow Oven 5m @ 150°C	Clear version of UF-1083
	UF-2082	Transparent	1,000 (20rpm)	1	71	87	3	Convection Oven 15m @ 150°C or Reflow Oven 8m @ 130°C or Reflow Oven 8m @ 140°C	Mid Tg, Fast Flow
	UF-2030T2-2	Black	1,100	1	176	95	30	Convection Oven 20m @ 140°C	Reworkable, High Tg
	UF-2230	Black	330	0.7	106	90	3	Convection Oven 15m @ 130°C	Reworkable, Very low viscosity, Fast Flow
Underfill for Flipchip package	UFC-2740B	Black	8,000	1.1	95	95	1	Convection Oven 30m @ 150°C	High reliability, Low RBO, Fast Flow
	UFC-2801	Black	8,000	1	120	90	1	Convection Oven 40m @ 125°C	High reliability, Low RBO, Fast Flow
	UFC-2803	Black	11,000	1	161	98	1	Convection Oven 10m @ 165°C	High reliability, High Tg, Fast Flow

Adhesives for electronic assembly - Heat cure adhesives

Application 應用	Product 產品	Appearance	Viscosity黏度 (cps @ 25°C)	T.I 轉膠值	Tg(°C) 玻璃轉化溫度	Hardness硬度 (Shore D)	Work Life 工作時間 (Days)	Cure condition 固化條件	Characteristic 特性
Liquid Encapsulant	FL-5060	Black	50,000	1.3	50	85	5	Convection Oven 10m @ 70°C	Low temperature curable
	FL-5061	Black	7,200	0.9	46	83	2	Convection Oven 15m @ 100°C	Good workability
	FL-5065	Black	35,000	1.7	113	95	2	Convection Oven 15m @ 100°C	High reliability, High Tg
	OP-6007	Transparent	900	0.9	29	22	12	Convection Oven 120m @ 100°C	Transparent encapsulant, Low hardness
Glob top encapsulant	GT-40W	White	3,000	1.4	N/A	35 (A)	3	Hot Plate 15s @ 200°C	Low hardness
	GT-55	Black	10,000	1.1	110	88	3	Convection Oven 40m @ 110°C	Good adhesion, Low RBO
	GT-60	Black	10,000	1.8	100	98	2	Convection Oven 30m @ 100°C	Good adhesion
	GT-65	Black	10,000	1.5	127	99	1	Convection Oven 60m @ 150°C	Good adhesion, High Tg
Sealing / Bonding	IB-7111	Black	7,000	2.2	45	98	7	Reflow Oven 4m @ 150°C	Good adhesion, High Tg
	IB-7590	White	127,000	3.4	120	85	7	Convection Oven 120m @ 120°C	Good adhesion with metal
	IB-7594	Black	83,000	1.1	190	98	2	Convection Oven 10m @ 170°C	High reliability, High Tg, Good water proofing
	IB-7700F	Black	260,000	0.8	60	99	2	Convection Oven 30m @ 100°C	Good adhesion, Low CTE
DA adhesive for LED	IB-7777D	Blue	16,000	4.4	N/A	65 (A)	6 (Months)	Convection Oven 30m @ 150°C	Reworkable, Low hardness
	IB-7597	White	17,000	1	180	95	3	Convection Oven 40m @ 160°C	High TG, Low RBO, Non yellowing
	IB-9000(M140)	White	20,000	1.6	120	95	3	Convection Oven 40m @ 160°C	High TG, Low RBO
B-stage DA for Semicon PKG	IB-9000(M140-3)	White	27,000	2.1	120	95	3	Convection Oven 40m @ 160°C	High TG, Low RBO, Non yellowing
	BA-1603	Transparent	27,000	3.5	-25	25 (A)	2	B-stage cure : 30m @ 125°C + Post cure : 30m @ 175°C	High reliability
Microspeaker bonding	BA-1604B	Black	13,000	3.5	-25	25 (A)	2	B-stage cure : 30m @ 125°C + Post cure : 30m @ 175°C	High reliability
	AD-1620	Black	67,000	1.1	50	90	3	Convection Oven 30m @ 180°C or Hot Plate 2m @ 120°C	High adhesion, Good reliability

Adhesives for display

Application 應用	Product 產品	Viscosity黏度 (cps @ 25°C)	T.I 轉膠值	Tg(°C) 玻璃轉化溫度	Characteristic 特性
Bonding / Sealing for OLED panel	UV-3083H	400	1	67	Low viscosity, High adhesion with glass
	UV-3083V	220	1	50	Low viscosity, High adhesion with glass
	UV-3231C	500	1	36	onding for Keyboard OLED touch bar/ Low viscosity, Good adhesion to glass and PC
Bonding / Sealing for LCD panel	UV-3231LB	760	1	51	Side sealing for Notebook display/ Low viscosity, Good adhesion with glass and PC, Anti flare, Low transmissivity
	UV-6103	2,700	1.1	85	Reworkable, Good adhesion with Glass and PC
	UV-6103M	2,300	1	86	Reworkable, Good adhesion with Glass and PC, Good water proofing
	UV-6109W	7,600	1.7	80	High reflectivity, White color
Gap filling for LCD panel	UC-3232	600	1	80	High filler content, Good chemical resistance, Fast UV curable
OCR	UV-3400	1,100	0.9	N/A	High Transmissivity and refractive index, Low hardness, Reworkable

Adhesives for electronic assembly - UV or Dual curable adhesive

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Coner bonding for BGA/CSP	UV-3200	16,000	4	67	Low volume cure shrinkage, High adhesion with PCB
	UV-3200W	18,000	4.5	83	White color, Low volume cure shrinkage, High adhesion with PCB
Sealing / Bonding	UV-3085	10,000	3	48	High adhesion, Good impact resistance
	UV-3089	8,000	1.5	49	High adhesion, Good impact resistance
	UV-3101EM	45,000	7	26	Low hardness, High adhesion with plastics
	UV-3300	1,600	1	24	Non yellowing
Bonding for Optical fiber	UV-3300M	2,100	0.9	46	Non yellowing, High adhesion with jewellery metals (gold & silver)
	UV-3111	13,000	1.7	62	High adhesion with Glass
Dam & Fill for Smart card	UV-3111L	4,600	1.4	62	High adhesion with Glass
	UV-3723D	8,000	4.2	37	Black color, Good adhesion with plastics
Sealing / Bonding for Cable harness	UV-3723F	850	1	40	Black color, Low viscosity, Good adhesion with plastics, Good workability
	125005	4,300	4	37	High elongation, High adhesion with teflon, Low hardness
Screen printable UV adhesive	UC-3100	22,000	5	128	Screen printable, Good workability, High Tg
Dual curable adhesive	UM-3811	7,000	2.8	N/A	UV + Moisture dual curable
	UM-3811H	15,000	2.6	N/A	UV + Moisture dual curable
	UM-3811B	8,000	2.7	N/A	UV + Moisture dual curable, Black color