



Ingot Mounting Adhesive Systems

COMPONENT PROPERTIES					MIXED SYSTEM PROPERTIES							SLURRY COMPATIBILITY			
Epoxy System	Appearance	Viscosity (cps @ 25°C)	Density (g/cc)	Mixing Ratio (by volume)	Gel Time (min.)*	Cure Time (hrs.)**	Movable Time (min.)****	Hardness (Shore "D")	Bond Strength (psi)		Glass Transition Temp. C***	Applications	PEG	PEG/Water	Water
									4 hrs.	8 hrs.					
AD1230-A	Gray	35,000	1.21	10	50	5	240	82	500	1,700	40	Long cure time, water resistant, removal requires acid	•	•	•
AD1210-B	Green	3,500	1.08	1											
AD1265-A	Gray	55,000	1.20	2	35	4	180	83	1,300	2,400	45	For use in water-based slurry or coolant applications	•	•	•
AD1265-B	Green	15,000	1.20	1											
AD1238-A	Gray	70,000	1.21	1	5	2	30	84	2,200	2,700	35	Fast curing, high bond strength system	•		
AD3848-BR	Red	25,000	1.31	1											
AD1238-A	Gray	70,000	1.21	1	15	4	60	84	2,200	2,700	35	Increased gel time version of AD1238-A / AD3848-BR system	•		
AD3853-B	Red	23,000	1.31	1											
AD1339-A	White	115,000	1.65	1	15	2	60	85	1,800	1,800	40	Increased hardness system to prevent wire marks	•		
AD3939-B	Blue	43,000	1.47	1											
AD1339-A	White	115,000	1.65	1	30	4	60	85	1,800	2,000	40	Increased gel time version of AD1339-A / AD3939-B system	•		
AD3905-B	Purple	43,000	1.47	1											
AD5031-A	Off-White	52,000	12.7	2	12	4	60	82	1,800	2,000	30	Maintains bond strength after 24 hr. cure, resists wafer drop & chipping	•	•	•
AD5031-B	Blue Purple	23,000	9.9	1											
AD5032-A	White	50,000	11.8	1	12	4	60	82	1,800	1,900	30	Maintains bond strength after 24 hr. cure, resists wafer drop & chipping	•	•	•
AD5032-B	Red	60,000	11.5	1											
AD1846-A	White	80,000	1.26	2	10	4	60	80	1,000	1,800	45	Water-based slurry / coolant applications	•	•	•
AD1846-B	Green	20,000	1.26	1											

* Gel Time condition 100 g @ 25°C

*** Glass Transition Temperature using DSC Method

** Cure Time conditions @ 25°C

**** Moveable Time @ 25°C, Time required before significant movement of mounted ingots



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