

Heat Release Epoxy Systems

COMPONENT PROPERTIES					MIXED SYSTEM PROPERTIES							
Epoxy System*	Appearance	Viscosity CPS@25oC)	Specific Gravity	Mixing Ratio (by V)	Gel Time**** (Minutes)	Cure Time (hours)	Hardness** (Shore D)	Bond Strength (PSI) Reference Values				Applications
								1 Hr	2 Hr	4 Hr	24 Hr	
AD4010A AD4015B	Off White Yellow	80,000 97,600	1.45 1.17	1 1	8	2	70 - 78		1950	2097	2849	Standard heat release system
AD4180A AD4180B	Off White Yellow	Paste Paste	1.47 1.20	1 1	11	2	73 - 80		2626	3057	3365	Non-sagging system used for vertical surface mounting
AD4180A AD4182B(M2)	Off White Yellow	Paste Paste	1.48 1.20	1 1	20	2	70 - 75		1895	1883	3050	Non-sagging system used for vertical surface mounting for wider operation time window
AD4130A AD4130B	Off White Yellow	70,400 20,800	1.46 1.17	1 1	20	2 (1-3)	74 - 85		2320	2095		low viscosity, longer gel time or wider operation time window
AD4130A AD4132B	Off White Yellow	70,400 33,600	1.46 1.16	1 1	10	2 (1-3)	74 - 85	1927	2342	2091		low viscosity, short gel time or narrow operation time window

The data provided in the table above is typical and accurate to the best of our knowledge and is for reference only.

*Requires Consistent Temperature Range of 203 – 210 °F (95 – 99 °C) preheated hot water bath or oven temperature higher than 248 °F (140 °C) for adhesive release.

**Hardness Cure Conditions, 24hrs, 10 – 20 g @77°F (25 °C)

***Film Hardness After UV cure

****Gel Time Conditions, 20g@77°F (25 °C)



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