



Heat Release Epoxy Systems

COMPONENT PROPERTIES					MIXED SYSTEM PROPERTIES						
Epoxy System	Appearance	Viscosity (cps @ 25°C)	Density (g/cc)	Mixing Ratio (by volume)	Gel Time (min.)	Cure Time (hrs.)	Hardness (Shore "D")	Bond Strength (psi)			Applications
								4 hrs.	8 hrs.	24 hrs.	
AD4010-A AD4015-B	White Yellow	275,000 11,500	1.03 1.14	2 1	4	2	73-75	1,100	1,600	2,100	Standard heat release system
AD4110-A AD4015-B	White Yellow	80,000 11,500	1.09 1.14	2 1	4	2	73-75	1,600	1,900	1,900	Low viscosity system for ingot fixturing, glass beam bonding to wire saw workplate
AD4130-A AD4019-B	Cream Orange	28,000 1,000	1.07 1.12	2 1	15	2	55-60	600	850	1,000	Extremely low viscosity, longer gel time
AD4135-A AD4019-B	Cream Orange	30,000 1,000	1.07 1.12	2 1	15	2	55-60	400	850	1,100	Extremely low viscosity, longer gel time, spherical spacers included
AD4010-A AD4017-B	White Yellow	275,000 13,000	1.03 1.14	2 1	7	2	52-54	350	380	600	Increased gel times system
AD4180-A AD4180-B	White Yellow	Paste Paste	1.08 1.01	2 1	5	2	64-66	1,000	1,650	1,700	Non-sag system used for vertical surface mounting
AD4500	Tan	38,000	1.23	-	-	-	80*	-	-	-	UV curable system for protective coatings, transparent substrate bonding

* Shore "A" Hardness



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