

Thermabond[®] Adhesives

Thermally Conductive Adhesives For High Reliability

Bond Reliability Bonds securely to many substrate types, shapes, or textures

Hot Spot Elimination

Thermal conductivity up to 2.5W/mK to transport heat away from hot spots

Thermal-Mechanical Stress Decoupling

Low modulus and high shear strength prevent adhesive delamination

Low Temperature Cure Cycle

Thermabond cure parameters can be as low as 100°C at 100 kPa, so surface mount components can be mounted on the PCB prior to bonding

Uniform Bond Line Thickness

Precision calendering produces a uniform adhesive film

Proven Performance

ARLON® Thermabond® adhesive products are the gold standard for critical, demanding electronic system applications

Properties	A5 Thermabond	A3 Thermabond	Supported Thermabond	Electrically Conductive Thermabond	Primerless Thermabond	Original Thermabond
Part Number**	99A50X008	99A30X008	48991A010	99730N004	99990A008	99510N008
Tc (W/m-K) @ 100°C	1.4	1.0	0.4	2.5	0.4	0.4
Thermal Resistance	9.6E-05	2.1E-04	7.1E-04	-	5.2E-04	5.7E-04
Shear Modulus (psi)	145	30	50	-	75	100
Lap Shear Strength (psi)	500	290	710	509	1000	600
Bonds Without Primer	Yes	Yes	Yes	No	Yes	No
Bond/Cure	Vacuum or Platen	Vacuum or Platen	Vacuum or Platen	Vacuum or Platen	Vacuum or Platen	Vacuum or Platen
Electrical	Insulative	Insulative	Insulative	Conductive	Insulative	Insulative
Thickness Range	0.004″ & up	0.004″ & up	0.008″ & up	0.008″ & up	0.004″ & up	0.004″ & up
Fiberglass Reinforcement	No	No	Yes	No	No	No

** Part Number Example: 99A90X### (### = 008 = 0.008" Thickness)

A5 Thermabond is the recommended replacement for discontinued A7

9973 is the recommended replacement for discontinued 9995



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