

Adelphi A-64

Non Flow Room Temperature Cure Adhesive

Adelphi A64 adhesive is a two-part, room temperature cure formulation for magnet. Its thixotropic creamy or buttery consistency makes it easy to work with and apply. Higher temperatures do not affect its thixotropic properties.

Adelphi A64 adhesive features low out-gassing. It resists thermal change which makes it quite an excellent choice for outdoor applications and for the bonding of dissimilar substrates. In general, it can be used for bonding all metals, hard plastics, treated Teflon and olefin plastics to themselves or to dissimilar materials. A special application of this adhesive is as a terminal sealer where the thixotropic of the adhesive is essential to successful spot bonding of the wires to the terminal. Adelphi A64 is recommended for any application where flow of the adhesive during cure cannot be tolerated.

Viscosity (cps)	Color	Base	Wt./Gal Solids	Diluent	Shelf Life
Thixotropic	Neutral Epoxy	8.1 lbs.	100%	Do not dilute	1 year

Tensile Shear Strength(PSI)	Cured @ 77F or 25C	Cured 2hr@ 165F or 74C
@ Room Temperature 75°F	2311	2588
@ -60°F	2350	2954
@180°F	1620	2418
After Soaking		
7 days NH4 OH	2210	2387
7 days distilled H2O	2455	2541
7 days glacial acetic acid	2148	2355
7 days 10% NaCl	2369	2418

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7 days acetone	2348	2351
7 days ethylene dichloride	2369	2478
7 days toluene	2299	2450
7 days ethyl acetate	2698	2790
7 days hexane	2369	2440
7 days 100% relative humidity	2655	2720
Bond Strength (PSI)	2010	2215
Cleavage (PSI)	1820	1890
Tensile Strength (PSI)	4769	3960
Elongation (%)	1.80%	1.70%
Coefficient Thermal Expansion (in./in/°C x 10 ⁻⁵)	3.8	3.7

Storage and Shelf Life

Shelf life is one year when stored below 90°F out of sunlight and in original unopened containers of pints or greater. Shelf life will vary with specialty packages.

Technical Questions? Call us. We are happy to help! +631-537-8390

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