

EZ-Lam Epoxy Resin



EZ-Lam is a two part, room temperature cure laminating epoxy resin specially formulated for construction of high strength, room temperature composite parts. Its low viscosity offers excellent wet out characteristics and it is bondable to all fabrics including, fiberglass, carbon fiber, aramid (Kevlar®), core materials, wood and metal.

Physical Properties

Mix Ratio by Volume	2 parts EZ-Lam A to 1 part EZ-Lam B	2 parts EZ-Lam A to 1 part EZ-Lam B
Mix Ratio by Weight	100 parts EZ-Lam A to 44 parts EZ-Lam B	100 parts EZ-Lam A to 44 parts EZ-Lam B
Pot Life	150 gr. mass 30 minutes @ 75°F	150 gr. mass 60 minutes @ 75°F
Tack Free	4 Hours	4 Hours
Cure	24 Hours @ 75-80°F	24 Hours @ 75-80°F
Color	Semi Opaque, Light Straw	Semi Opaque, Light Straw
Shelf Life	Twelve months at room temperature.	Twelve months at room temperature.

Technical Properties

Viscosity, Mixed	700 CPS	700 CPS
Durometer D	88 Shore	88 Shore
Specific Gravity	1.10 gm/cc (Laminate Data 7781 10 ply)	1.10 gm/cc (Laminate Data 7781 10 ply)
Tensile Strength	56,000 psi	55,000 psi
Flexural Modulus	61,500 psi	63,500 psi
Compression	45,000 psi	44,000 psi
Max Temperature	140 °F	140 °F

EZ-LAM may be thinned with 91% isopropyl alcohol for applications where lower viscosity is desired. Avoid contact of resin or hardener with skin or eyes. Wear disposable gloves and eye protection. Avoid breathing vapors, apply under good ventilation. If contact occurs, consult physician. MSDS available upon request. KEVLAR® is a registered trademark of E.I. du Pont de Nemours and Company and is used with permission.