



**EL-350
LAMINATING SYSTEM**

**FOR FILAMENT WINDING/
VACUUM INFUSION**

PRODUCT BULLETIN



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PRODUCT DESCRIPTION

EL-350 Epoxy Lamination System is a 100% solids, UV resistant system developed for high performance composite applications. This system can be used for filament winding, vacuum infusion or laminating with graphite, E-Glass, S-Glass and Kevlar fabrics. The handling properties are designed for use in heat cure production processes.

HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (parts by weight).....	100R:30H
Mixed Density.....	1.10 gms/cc
.....	9.2 lbs/gallon
Mixed Viscosity	330 cps
Work Life (200 gram mass).....	472 minutes
Recommended Cure and Post Cure Schedule.....	24 hours at Room Temperature + 2 hours at 100°C/212°F
Mixed Color	Clear - Light Amber
Shelf Life (in original unopened containers).....	2 years

TYPICAL PHYSICAL PROPERTIES

(Tested on a cast bar following the above recommended cure and post cure schedule)

Tensile Strength	10,510 psi
Tensile Elongation.....	4.0%
Flexural Strength.....	16,460 psi
Flexural Modulus	425,700 psi
Cured Hardness	85 Shore-D
Impact Strength.....	8.03 (in-lbf/in)
Heat Deflection Temperature @ 66 psi.....	72.9°C/163.2°F

EL-350 Tech / New 4/15/2007



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