



TYPICAL LIQUID PROPERTIES

Viscosity, Brookfield, cPs @75°F 1,900

Appearance Clear

DOT Flammability Rating, °F >150

Monomer content % 45

A clear, non-yellowing, TOUGH (hard surface + flexible) resin formulated for coating directly onto Styrofoam-core surfboards, sailboards or hobby items. This resin cures very well in sunlight or with UV light source @ 385nm. This Zero VOC resin is non-flammable and very safe to use yet cures to a very tough finish with considerable flexibility. ZEROVOC is an outstanding choice as a intermediary layer between EPS foam and the rigid fiberglass shell. This means the board can flex without delaminating shear forces. Curing commences within 10 seconds of exposure to mid-day sunshine in non-polar latitudes. Ambient temperatures as low as -20°F or as high as 120°F have little effect on cure time or physical properties of Solarez.

TYPICAL PROPERTIES OF CURED

CASTING @ 77°F (guidance only)

1Tensile strength 4,200

1Tensile elongation, % 25

Compressive strength, psi 17,000

3Barcol hardness 37

Heat deflection temp, °F 180T

DIELECTRIC PROPERTIES

Volume resistivity 6.2 x 10¹¹ ohms

Surface resistance 3.7 x 10⁹ ohms

Dielectric constant strength 400 V/mil

Tangent of Dielectric loss 2.5 x 10⁻⁴

ADVANTAGES OF UV-Cure Epoxy Resin:

- ZERO Volatile Organic Compounds
- Environmentally-safe
- Hypoallergenic
- Super-fast curing
- Dense crosslinking
- Non temperature-dependence (cures @-20°F)
- Doesn't absorb water (humidity) like other epoxies
- Re use of uncured "waste" resin
- Non-yellowing
- No catalyst, no rush
- Compatible with epoxy, vinyl ester or polyester resins
- Excellent flex characteristics

Handling: SOLAREZ ZEROVOC contains ingredients that could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and/or clothing should be worn. For important health, safety and handling information, consult the MSDS before using.

Storage: Store @ temperatures below 80°F. keep away from heat, sparks and open flame. Handle only in diffused light -- never in direct sunlight. Direct sunlight will cause rapid curing of resin.