



## Introduction

AL 160 is a bifunctional organosilane with a reactive epoxide and inorganic methoxysilyl groups that promote adhesion by the ability to chemically bind to inorganic materials and organic polymers.

## Typical Physical Properties

Chemical Name	3-Glycidoxypyrpyltrimethoxysilane
Empirical Formula	C <sub>9</sub> H <sub>20</sub> O <sub>5</sub> Si
Molecular Weight	236.4
Appearance	Colorless transparent liquid
Density <sub>25/25° C</sub>	1.065-1.075
Boiling Point	290°C (760mmHg)
Refractive Index	1.4270 +/- 0.0005 (25°C)
Flash Point	110°C
Min. Purity	>98%
CAS No.	2530-83-8

## Applications

- Improves dry and wet strength in cured composites reinforced with glass fiber.
- Enhances wet electrical properties of epoxy-based encapsulate and packaging materials.
- Eliminates the need for a separate primer in polysulfide and urethane sealants.
- Improves adhesion in waterborne acrylic sealants and in urethane and epoxy coatings.