



— AMERICAN —  
PIPELINING SUPPLIES

233 Camson Rd. Anderson SC. 29625

[www.americanpipeliningsupplies.com](http://www.americanpipeliningsupplies.com)

PRODUCT DATA SHEET

**APS-AME** Acrylate Modified Epoxy

**APS-AME** is an ultra-clear non-hazmat acrylate-modified epoxy resin that is light curable and exhibits excellent adhesion to most structural materials and possesses excellent corrosion resistance. APS-AME cures in the safer UVA range of 365-410nm, such as those found in natural sunlight and LED lights. This new ultra-clear formula aids in the depth of penetration and speed of cure in thick wall fiber-reinforced laminates.

Full cure will take place in 1-4 minutes when exposed to proper UVA light intensity. Ambient temperatures of 0-120 °F have little effect on the cure time or physical properties of this light cured resin. This system will reach 99%+ state of cure in under 5 mins with no high-temperature post-cure required to reach peak mechanical and thermal properties.

TYPICAL LIQUID PROPERTIES

Viscosity, Brookfield, cps @ 77°F	2,800
Acid Value (solution mg KOH/g solution)	10
Density (lb/gal)	9.5
Color Maximum (Gardner)	6
Non volatile mass (NVM)	100%

TYPICAL PROPERTIES OF . 125" CURED CASTING @ 77 °F (guidance only)

Tensile Strength (psi)	15,000
Tensile Modulus (psi)	601,000
Tensile Elongation (%)	4.3
Flexural Strength (psi)	24,900
Flexural Modulus (psi)	636,000
Barcol Hardness	52
Glass Transition Temp. (°F)	220

Handling: **APS-AME** resin contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. For important health, safety and handling information, consult American Pipelining Supplies' material Safety Data Sheet before using this product.

Storage: Store at 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 resin to cure.

Notice: American Pipelining Supplies makes no warranty or representation as to the suitability of the product as specified herein for any particular application. The determination of the suitability of the above specifications for any particular use is solely the responsibility of the user.