

AME™ 5001

premium marine resins

For decades, Ashland has served the best boat builders in the world with new technologies that deliver unmatched quality and performance. Our newest product continues the tradition of delivering allure and usability the best by capturing the latest trends and needs for high-performance boats.

AME premium marine resins have been the preferred and trusted resins for the most respected boat builders in the world for over 30 years. As one of the first premium resins ever designed for the marine industry, AME resins have a flawless record of providing long lasting performance that has yet to be equaled. These modified epoxy vinyl ester resins have been designed exclusively for the premium boat builder and great care has been taken to address performance and production needs. Ashland has met and exceeded the expectations across North America and Europe with a history of being the market leader and having products with reliable, durable, real world performance.

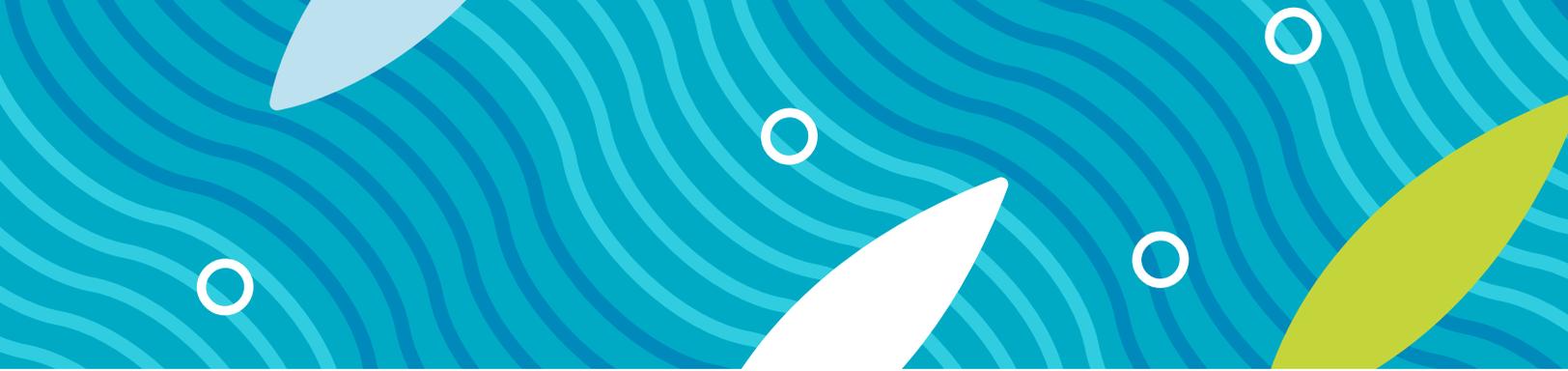
AME 5001 resin is a premium epoxy vinyl ester resin. This multifunctional resin has improved physical properties as compared to standard vinyl ester blends, and can be used as a skin, bulk, or tooling resin. The increased strength and flexural fatigue demonstrates a toughness not typically found in this variety of blended resin. A higher heat distortion ensures superior long term cosmetic performance. AME 5001 can also withstand the tough demands of the composite tooling market.

Typical Property Comparison

| Property | AME 5001 Series | Standard Vinyl Ester Blends | Unit | Test Method |
|--------------------|-----------------|-----------------------------|--------|-------------|
| Tensile Strength | 9,300 | 9,000 | psi | ISO 527 |
| Tensile Modulus | 500 | 500 | ksi | ISO 527 |
| Tensile Elongation | 2.1 | 2.2 | % | ISO 527 |
| Flexural Strength | 19,100 | 14,100 | psi | ISO 178 |
| Flexural Modulus | 570 | 560 | ksi | ISO 178 |
| Flexural Fatigue | 73,491 | 65,461 | cycles | |
| Ultimate HDT | 105 | 99 | °C | ISO 75 |

BENEFITS

- Excellent Blister Resistance
- Superior toughness and strength
- Low shrink
- Fast Wet-out of Glass fibers
- Outstanding fatigue life
- Meets ISO 122-15-1 Small Craft Construction Requirements
- Ultimate HDT of 221 F
- Multifunctional resin – skin, bulk, and tooling



Innovation and Collaboration to Grow the Marine Market

For the world's top boat builders, Ashland has designed a complete line of premium gelcoats, epoxy vinyl ester resins, unsaturated polyester resins, low profile resins, fuel tank resins, and barrier coats. Combined with Ashland's boat building expertise, product development, and technical service, Ashland will help you become a better, more profitable boat builder.

Ashland's technical service team has an industry-leading reputation for solving problems. We work closely with our customers to understand specific application challenges and recommend the best product to meet business objectives. Whether focused on product design, process optimization or new product development, Ashland prides itself on building partnerships that lead to innovative solutions. Visit ashland.com/recreational-markets to learn more.

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