

AME™ 1001 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 products continue the tradition of delivering 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.

The AME 1001 resin is a high performing epoxy vinyl ester resin. This resin has improved physical properties as compared to standard marine general purpose resins. The large number of flex fatigue cycles demonstrates how the product can take a pounding without fear of failure. AME 1001 also yields a superior cosmetic finish which is highly regarded by the end user. The high heat distortion temperature (HDT) ensures great long term cosmetics even with dark colors.

Typical Property Comparison

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Property	AME 1001 Series	Standard Marine General Purpose Resin	Unit	Test Method
Tensile Strength	9,500	6,400	psi	ISO 527
Tensile Modulus	520	490	ksi	ISO 527
Tensile Elongation	2.2	2.3	%	ISO 527
Flexural Strength	14,100	12,000	psi	ISO 178
Flexural Modulus	560	500	ksi	ISO 178
Flexural Fatigue	65,461	20,953	cycles	
Ultimate HDT	99	87	°C	ISO 75

Benefits:

- Improved tensile and flexural strength and modulus
- Excellent fatigue resistance
- Ultimate HDT of 210 °F
- Superior surface profile as compared to GP resins
- Improved blister resistance as compared to GP resins
- Exceeds DNV Grade 2 requirements
- User friendly processing
- Fast wet out
- Minimal air entrapment

ASHLAND®

With good chemistry great things happen.™

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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/marine to learn more.

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