

AME™ 6001 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 6001 resin is a 100% modified epoxy vinyl ester resin. This resin has superior physical properties to stand up to the high performance demands of the marine environment. The large number of flex fatigue cycles demonstrates how the AME 6001 can take a pounding without fear of failure. The high heat distortion temperature (HDT) ensures great long term cosmetics even with dark colors.

Typical Property Comparison

Property	AME 6001 Series	Standard Marine General Purpose Resin	Unit	Test Method
Tensile Strength	11,500	6,400	psi	ISO 527
Tensile Modulus	500	490	ksi	ISO 527
Tensile Elongation	5.2	2.3	%	ISO 527
Flexural Strength	21,600	12,000	psi	ISO 178
Flexural Modulus	525	500	ksi	ISO 178
Flexural Fatigue	125,135	20,953	cycles	
Ultimate HDT	111	87	°C	ISO 75

Benefits

AME 6001 resin

- Excellent physicals properties
- Over 5% tensile elongation
- Ultimate HDT of 232 F
- Greatest resistance to fatigue failure
- User friendly processing
- Fast wet out
- Minimal air entrapment
- Excellent surface quality
- Outstanding blister resistance
- Exceeds ISO 12215-1 Type A and DNV Grade 1 mechanical properties



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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