AME™ 1001

PREMIUM MARINE RESINS

For decades, INEOS Composites' products have served the best boat builders in the world with new technologies that deliver unmatched quality and performance. Our newest product continues that tradition by capturing the latest trends and addressing the needs of today's high performance boats.

AME™ premium marine resins have been the preferred and trusted resins for the most respected boat builders for more than 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. Working with premium boat builders, INEOS developed these modified epoxy vinyl ester resins to address a wide range of production and performance needs. INEOS has met and exceeded industry 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 (GP) 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.

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

Typical Property Comparison

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

INEOS Composites

Innovation and Collaboration to Grow the Marine Market

INEOS 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 INEOS's boat building expertise, product development and technical service, INEOS will help you become a better, more profitable boat builder.

INEOS'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, INEOS prides itself on building partnerships that lead to innovative solutions. Visit ineos.com/composites to learn more.

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