

AME™ 6441

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 6441-800 PAT resin is a high performance, 100% modified epoxy vinyl ester resin. This resin was specifically formulated to withstand the toughest demands of the composite tooling market. With the highest heat distortion (HDT) available in the product line and a high elongation, it can withstand the elevated temperature and toughness demands of the tool and maintain an aesthetic, crack-free appearance even in closed mold applications. It can also be used as a skin coat resin in marine applications requiring superior cosmetics and blister resistance.

Typical Property Comparison

Property	AME 6441 Series	Standard Tooling Resins	Unit	Test Method
Tensile Strength	12,000	9,000	psi	ISO 527
Tensile Modulus	500	490	ksi	ISO 527
Tensile Elongation	4.5	2.1	%	ISO 527
Flexural Strength	19,000	19,000	psi	ISO 178
Flexural Modulus	500	570	ksi	ISO 178
Ultimate HDT	119	105	°C	ISO 75

BENEFITS

4.5% tensile elongation

High HDT - 245°F

Ideal for RTM and infusion molds

Resin of choice for high end cosmetic molds

Premium skin coat resin for open molding

Superior blister resistance

Available in an infusion version for market leading cosmetics and physical 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/recreational-markets to learn more.

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