

AME™ 6441

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 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.

AME™ 6441-800 PAT resin is a high performance, modified epoxy resin. This resin was specifically formulated to withstand the toughest demands of the composite tooling market. With the highest heat distortion temperature (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.

Benefits

- 4.5% tensile elongation
- High HDT of 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

Typical Property Comparison

Property	AME™ 6441 Series	Marine Grade Infusion Epoxy Resins	Unit	Test Method
Tensile Strength	12,000	9,800	psi	ISO 527
Tensile Modulus	500	510	ksi	ISO 527
Tensile Elongation	4.5	3.9	%	ISO 527
Flexural Strength	19,000	17,600	psi	ISO 178
Flexural Modulus	500	500	ksi	ISO 178
Ultimate HDT	119	78	°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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