

CREATE TOUGH BONDS THAT LOOK GREAT

ARALDITE® 2031-1 adhesive gives you the power to create tough, yet elegant products.

ARALDITE® 2031-1 adhesive provides the balance of finesse and toughness that you need to create high-performance products with standout aesthetics. Offering superior resistance to dynamic loads, along with high fracture toughness, this well-proven adhesive is suited for use on sports cars, racing boats and bicycles.

Black in color, ARALDITE® 2031-1 adhesive allows you to create invisible bond lines on carbon composites, with spacers to ensure a minimum bond line thickness of 0.05 mm. The adhesive provides resistance to weathering and high lap shear strength for use on products in demanding outdoor conditions, such as wind turbine blades.

PRODUCT BENEFITS

- Black color to match carbon composites
- Room temperature curing
- Resistant to weathering and dynamic loading



MADE POSSIBLE

CREATE ELEGANT YET TOUGH COMPOSITE APPLICATIONS WITH INVISIBLE BOND LINES.



ARALDITE® 2031-1 adhesive is a black adhesive specifically designed to bond advanced composites with high strength.

SUPERIOR PERFORMANCE

60 mins

60-min pot life at room temperature

2C

Epoxy technology

145,038 psi

Tensile modulus

3,335 psi

Tensile strength

ca. **12%**

Elongation at break

212°F

212°F maximum continuous operating temperature*



3 hrs

3-hr fixture time at room temperature

↑10 mm

Gap-filling up to 10 mm

* For the maximum continuous operating temperature, we consider the maximum temperature for which the residual lap shear strength is 1/3 of the lap shear strength at room temperature or the temperature for which the residual lap shear strength is 725 psi.

With our Material Models, you get fast and accurate simulations when qualifying adhesives for your project.

Click to find your Material Model



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