

BOND HIGH-END CARBON COMPOSITES WITH CONFIDENCE

**ARALDITE® 2019
adhesive enables
design innovation for
high-performance
products.**

ARALDITE® 2019 adhesive allows you to realize your greatest design aspirations with the confidence that your product can withstand demanding conditions. Black in color, ARALDITE® 2019 adhesive creates invisible bonds on carbon composite materials.

Boasting a maximum continuous operating temperature of 284°F, this is the most temperature-resistant industrial adhesive on carbon fiber composites. ARALDITE® 2019 adhesive also contains spacers to ensure a minimum bond line thickness of 0.05 mm. With this reliable bonding solution, you can go to market with a sleek, yet tough, product.

PRODUCT BENEFITS

- Bonds carbon composites
- High temperature resistance
- High toughness and resilience

MADE POSSIBLE



CREATE INNOVATIVE, LIGHTWEIGHT PRODUCTS WITH CONFIDENCE.



ARALDITE® 2019 adhesive combines the properties of high-temperature resistance and toughness for high-end carbon composites bonding.

SUPERIOR PERFORMANCE

↑ **5,076** psi

Up to 5,076 psi lap shear strength on composites at room temperature

2C

Epoxy technology

232,060 psi

Tensile modulus

5,801 psi

Tensile strength

ca. **4.3%**

Elongation at break

284°F

284°F maximum continuous operating temperature*



4.5 hrs

4.5-hr fixture time at room temperature

100-120 mins

100-120-min pot life at room temperature

* 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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