

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 140°C, 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

↑ **35** MPa

Up to 35 MPa lap shear strength on composites at room temperature

2C

Epoxy technology

1 600 MPa

Tensile modulus

40 MPa

Tensile strength

ca. **4.3%**

Elongation at break

140°C

140°C maximum continuous operating temperature*



4.5 hrs

4.5-hr fixture time at room temperature

110 mins

110-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 5 MPa.

For more information:
www.huntsman.com

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