

# 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.

For more information:  
[www.aralditematerials.com](http://www.aralditematerials.com)

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**Americas**

Huntsman Advanced Materials Americas Inc.  
10003 Woodloch Forest Drive  
The Woodlands, TX 77380, USA  
Tel.: +1 888 564 9318  
Fax: +1 281 719 4047



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**Asia Pacific**

Huntsman Advanced Materials (Guangdong) Co., Ltd.  
Shanghai Branch Office  
455 Wenjing Road, Minhang District  
Shanghai 200245, P.R. China  
Tel: +86 21 3357 6588  
Fax: +86 21 3357 6547

**Europe, Middle East & Africa**

Huntsman Advanced Materials (Switzerland) GmbH  
Klybeckstrasse 200  
P.O. Box  
4002 Basel, Switzerland  
Tel.: +41 61 299 1111  
Fax: +41 61 299 1112