

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

1 000 MPa

Tensile modulus

23 MPa

Tensile strength

ca. **12%**

Elongation at break

100 °C

100°C 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 5 MPa.

For more information:
www.huntsman.com

Legal information

All trademarks mentioned are either property of or licensed to Huntsman Corporation or an affiliate thereof in one or more, but not all, countries. Sales of the product described herein ("Product") are subject to the general terms and conditions of sale of either Huntsman Advanced Materials LLC, or its appropriate affiliate including without limitation Huntsman Advanced Materials (Europe) BVBA, Huntsman Advanced Materials Americas Inc., or Huntsman Advanced Materials (Hong Kong) Ltd. or Huntsman Advanced Materials (Guangdong) Ltd. ("Huntsman"). The following supersedes Buyer's documents. While the information and recommendations included in this publication are, to the best of Huntsman's knowledge, accurate as of the date of publication, NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHTS, OR WARRANTIES AS TO QUALITY OR CORRESPONDENCE WITH PRIOR DESCRIPTION OR SAMPLE, AND THE BUYER ASSUMES ALL RISK AND LIABILITY WHATSOEVER RESULTING FROM THE USE OF SUCH PRODUCT, WHETHER USED SINGLY OR IN COMBINATION WITH OTHER SUBSTANCES. No statements or recommendations made herein are to be construed as a representation about the suitability of any Product for the particular application of Buyer or user or as an inducement to infringe any patent or other intellectual property right. Data and results are based on controlled conditions and/or lab work. Buyer is responsible to determine the applicability of such information and recommendations and the suitability of any Product for its own particular purpose, and to ensure that its intended use of the Product does not infringe any intellectual property rights. The Product may be or become hazardous. Buyer should (i) obtain Material Safety Data Sheets and Technical Data Sheets from Huntsman containing detailed information on Product hazards and toxicity, together with proper shipping, handling and storage procedures for the Product, (ii) take all steps necessary to adequately inform, warn and familiarize its employees, agents, direct and in direct customers and contractors who may handle or be exposed to the Product of all hazards pertaining to and proper procedures for safe handling, use, storage, transportation and disposal of and exposure to the Product and (iii) comply with and ensure that its employees, agents, direct and indirect customers and contractors who may handle or be exposed to the Product comply with all safety information contained in the applicable Material Safety Data Sheets, Technical Data Sheets or other instructions provided by Huntsman and all applicable laws, regulations and standards relating to the handling, use, storage, distribution and disposal of and exposure to the Product. Please note that products may differ from country to country. If you have any queries, kindly contact your local Huntsman representative.

ARALDITE® is a trademark of Huntsman Corporation or an affiliate thereof in one or more, but not all, countries.
© 2020 Huntsman Corporation. All rights reserved.
Ref. No. AdMat_Araldite 2031-1_core range_EN_EU July 2020

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

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



Responsible Care®
OUR COMMITMENT TO EXCELLENCE

BPA free

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