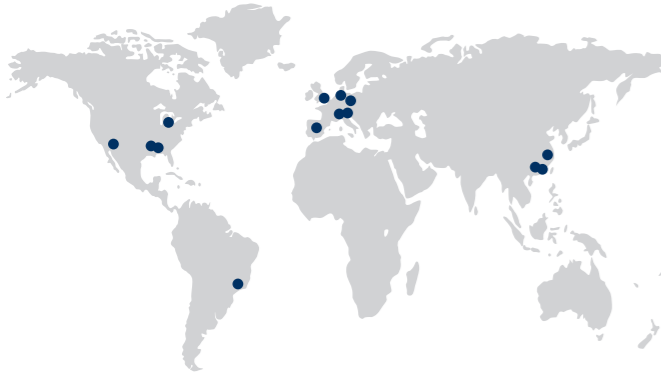


Huntsman Advanced Materials

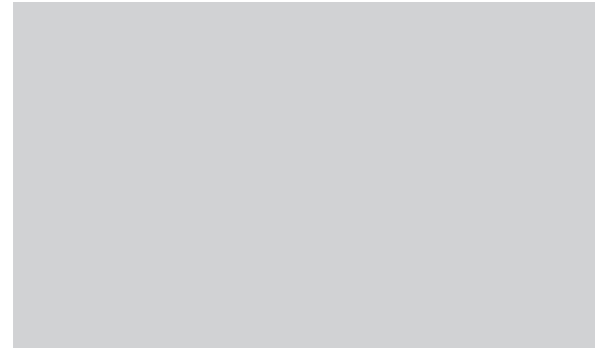
Our Advanced Materials division is a leading global chemical solutions provider with a long heritage of pioneering technologically advanced epoxy, acrylic, phenolic and polyurethane-based polymer products.

Our capabilities in high-performance adhesives and composites, delivered by more than 1600 associates, serve over 2000 global customers with innovative, tailor-made solutions and more than 1500 products which address global engineering challenges.

We operate synthesis, formulating and production facilities around the world



Distributed by



Find the right product to fulfill your needs



www.aralditeadhesives.com

HUNTSMAN

Enriching lives through innovation

For more information
www.huntsman.com/advanced_materials
advanced_materials@huntsman.com

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

Asia Pacific & India
Huntsman Advanced Materials (Guangdong) Co., Ltd.
Room 4903-4906, Maxdo Centre,
8 Xing Yi Road,
Shanghai 200336,
P.R.China
Tel. + 86 21 2325 7888
Fax + 86 21 2325 7808

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

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 supercedes 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, NONINFRINGEMENT 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 indirect 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.

© 2019 Huntsman Corporation. All rights reserved.
Ref. No. Adhesives for aerospace industry 09.19_EN_EU



Registered for
REACH

Advanced Materials

HUNTSMAN

Enriching lives through innovation

Product selection - Europe

Adhesives for the aerospace industry

Product	Mix ratio	Mixed viscosity	Gel time	Pot life	Suggested cure schedule	Max service temperature	Lap shear strength AI/AI		T-peel	Color	Flame retardant	Packaging				OEM specifications
							23°C	80°C				Cartridges	Kits	Bulk	Cans	
Conditions		23°C	100 g at 23°C	100 g at 23°C			23°C	80°C								
Unit	pbw	Pa.s	min	min		°C	MPa	MPa	N/mm							

EPOXY	Araldite® 1570 FST A/B	100 : 88	Paste	-	140	48h at 23°C or 1.5h at 90°C	100	18	6	-	Dark grey	●	●			AIMS 10-04-006	
	Araldite® 2011	100 : 80	30 - 45	-	100	24h at 23°C	90	20	7	5 (roller peel)	Pale yellow		●	●	●	Airbus AIMS 10-04-020 / Airbus ASNA 4049 / Airbus ABR 2-0179 / Dassault DGQT 1.7.0.22 / Aerospace Composite Technologies M1368 - 001 / Roxel MTA 00137	
	Araldite® 2013-1	100 : 60	Paste	-	80 - 90	24h at 23°C	70	18	4	-	Grey		●	●	●	Fokker TH5.937	
	Araldite® 2015	100 : 100	Paste	-	30 - 40	48h at 23°C	100	20	12	4 (roller peel)	Beige		●	●	●	Airbus ABR 2-0181	
	Araldite® 2015-1	100 : 100	Paste	-	45 - 55	48h at 23°C	100	20	12	-	Beige		●	●	●	Huntsman standard certification	
	Araldite® 420 A/B	100 : 40	35 - 45	-	60	48h at 23°C or 4h at 50°C	65	35	4	-	Dark green		●	●	●	Airbus ASNA 4125 / Airbus I+D-N-200 - Z15.213/1 / Boeing BMS 5-107, Class 1 / Meggitt Composites MS 0013	
	Araldite® 501 A/B	100 : 15	1.4 - 3.5	50 - 150 (138 g)	-	7 days at 23°C or 2h at 70°C	> 100	14	16	5 (roller peel)	Blue			●		Airbus AIMS 10-04-024	
	Araldite® AW 4859 / HW 4859	100 : 43	Paste	-	100 - 120	3h at 80°C or 1h at 130°C	140	32	20	1 - 3 (roller peel)	Black		●		●	Huntsman standard certification	
	Araldite® AV 138M-1 / HV 998-1	100 : 40	Paste	-	30	48h at 23°C or 16h at 40°C	160	15	16	-	Grey				●	●	Embraer MEP 09-022 / Rolls Royce MSRR 9332
	Epibond® 100 A/C	100 : 44	280	135 - 145 (150 g)	-	1h at 65°C + 3 - 5h at 95°C	150	35	28	4	Off-white		●				Cirrus E00000061, Type 1, Form B
	Epibond® 156-1 A/B	100 : 60	Soft paste	20 - 50	-	3 days at 23°C or 1 - 3h at 65°C	95	14	13	-	Off-white			●			Huntsman standard certification
	Epibond® 200	100 : 100	Paste	100	-	3 - 5 days at 23°C or 2h at 65°C	95	22	7 at 95°C	5 (roller peel)	Grey		●	●			Huntsman standard certification
	Epibond® 300	100 : 67	Paste	45		3 - 5 days at 23°C or 1h at 65°C	205	30	8 at 205°C	3	Grey		●	●			Huntsman standard certification
	Epibond® 1210 A/B	100 : 65	Semi-paste	-	50 - 75	48h at 23°C or 2h at 65°C	-	17	3	-	Tan			●			Sundstrand CM 34.40-38-01
	Epibond® 1210 A / 9861	100 : 20	Semi-paste	35 - 60	-	48h at 23°C or 1 - 2h at 65°C	120	19	17	-	Tan			●			Lockheed Martin LAC 30-4639-0200 / Loral 23-P12027-0003 / Spectrolab 044418
	Epibond® 1217 A/B	100 : 100	Paste	4 - 8 (50 g)	-	1 - 2h at 23°C	-	17	3	-	Translucent		●	●			Boeing HMS 16-1068, Class 8B / Kearfott Y105A053-101 / MD Helicopters MDM16-1068, Class 8B
	Epibond® 1534 A/B	100 : 100	2 000	-	120	2 days at 23°C or gel at 23°C + 1 - 2h at 65°C	-	20	4	-	Amber			●			Boeing BMS 5-126, Type 2, Class 1, Gr B / Pratt & Whitney TS10430
	Epibond® 1539 A/B	100 : 95	Paste	-	120	24h at 23°C or 20 - 30 min at 120°C	65	17	6	-	Amber			●			Boeing BMS 5-126, Type 6, Class 1, Gr B
	Epibond® 1544-1 A-82/D	100 : 13 : 00	Semi-paste	70	-	24h at 23°C or gel at 23°C + 1h at 65°C	-	18	-	-	Beige	●	●	●			Boeing BMS 5-126, Type 4, Class 4, Gr B / Gamesa GMS 124050
	Epibond® 1559-1 A/B	100 : 100	Semi-paste	4-10 (50 g)	-	24h at 23°C or 30 min at 70°C	-	18	-	-	Black or off-white	●	●				Heath Techna HMS A5-001, Type 2, Class 3
Epibond® 8000 FR A/B	100 : 48	180	65 - 70	-	5 - 7 days at 23°C or 1.5h at 55°C	80	27	9	4 (roller peel)	Off-white	●	●				Bombardier BOMS 820-001, Type 2 / Heath Tecna HMS A5-001, Type 1, Class 1	
Epibond® 8543 C/B	100 : 100	Non-sag paste	3 (20 g)	-	30 - 60 min at 23°C or 60 - 120 min at 10°C	-	14	3	-	Grey		●	●			Boeing BMS 5-123, Type 1, Class 3	
PU	Uralane® 5774 A/C	100 : 55	Semi-paste	15 - 25	-	7 days at 23°C or 1 - 2h at 95°C	85	15	9	6	Beige	●	●	●		Boeing BMS 5-105, Type 5 / Heath Tecna HMS A4-001, Type 1, Class 2 / US Navy NWC78A151 / Gulfstream GAA 100BN1 / Army 13312291	
	Uralane® 5779 A/B	100 : 98	Non-sag paste	8 - 15	-	7 days at 23°C or 4h at 65°C	-	8	-	2	White		●			Boeing BMS 5-105, Type 6 / Heath Tecna HMS A4-001, Type 1, Class 3	
MMA	Araldite® 2021-1	100 : 100	Paste	-	3	1h at 23°C	100	25	12	-	Pale yellow		●	●		Huntsman standard certification	
	Araldite® 2022-1	100 : 100	Paste	-	10	1.5h at 23°C	100	25	12	-	Pale yellow		●	●		Huntsman standard certification	