

Huntsman Advanced Materials Americas Inc.
5121 San Fernando Road West
Los Angeles, CA 90039
818.247.6210

Customer Service Hotline: 800.367.8793
Customer Service Faxline: 517.351.6255
Technical Inquiries: 800.817.8260



website: www.araldite.com
e-mail: adhesives_group@huntsman.com

Product Data

ARALDITE[®] AV 8551

ONE-COMPONENT EPOXY PASTE ADHESIVE

DESCRIPTION: Araldite AV 8551 epoxy paste adhesive is a one-component system for metal bonding.

APPLICATIONS:

- Metal-to-metal bonding

TYPICAL PROPERTIES:	Test Method	Test Values
Specific Gravity, g/cc	ASTM D-792	1.29
Viscosity, cP @ 77°F (25°C)	ASTM D-2393	200,000
Pressure Flow (20 grams), seconds	Pressure 80 psi (5 bars) Orifice 0.104 in. (2.6 mm)	16

Tested @ 77°F(25°C)

TYPICAL PHYSICAL PROPERTIES: Not for specification purposes.

		Test Values
Lap Shear Strength, psi (MPa)		
Speed of cure @ 350°F (177°C)	5 minutes	2423 (16.7)
	10 minutes	2878 (19.8)
	20 minutes	2930 (20.2)
	30 minutes	2970 (20.5)

STORAGE/ SHELF LIFE: Araldite epoxy adhesives should be stored in their original, sealed containers at room temperature. When stored at temperatures from 59-77°F (15-25°C), the epoxy adhesive will remain in useable condition for 12 months from date of shipping from Huntsman.

CAUTION:

Huntsman Advanced Materials Americas Inc. maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material. Copies of the latest MSDS may be requested by calling our customer service group at 800-367-8793 or emailing your request to adhesives_group@huntsman.com.

FIRST AID!

Eyes and skin: Flush eyes with water for 15 minutes. Contact a physician if irritation persists. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

Inhalation: Remove subject to fresh air.

Swallowing: Dilute by giving water to drink and contact a physician promptly. Never give anything to drink to an unconscious person.

KEEP OUT OF REACH OF CHILDREN

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

IMPORTANT LEGAL NOTICE:

Sales of a referenced product ("Product") are subject to the general terms and conditions of sale of Huntsman Advanced Materials Americas Inc. ("Huntsman").

WARRANTY: Huntsman warrants to the Buyer that the Product will conform to the published specifications for that Product at the time of manufacture.

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WARNING: Technical data and results are based upon tests under controlled laboratory conditions and must be confirmed by Buyer by testing for its intended conditions of use. The Product has not been tested for, and therefore is not recommended or suitable for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended or likely, or for uses for which implantation within the human body is intended, and Huntsman assumes no liability for any such uses.

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