

PRELIMINARY TECHNICAL DATA SHEET

Advanced Materials

ARALDITE® 7047

ONE COMPONENT, SILVER-FILLED EPOXY ADHESIVE

Description

ARALDITE 7047 epoxy adhesive is a one-component, silver-filled material designed for die attach applications requiring both electrical and thermal conductivity. This 100% solids system contains no solvents or viscosity diluents, reducing the potential for outgassing and void formation during cure and operation life. ARALDITE 7047 epoxy adhesive has been formulated with extremely pure resins and fillers to maximize ionic purity when in contact with microelectronic chips and circuitry.

Features

High purity
100% solids system
Fast cure at medium temperature

Typical Properties	RD2006-508	Test Method
Color	Silver	Visual
Specific gravity	3.5	ASTM-D-1475
Viscosity, @ 25°C (77°F) Spindle #/RPM, Model DV-II 14/10 cps (mPas)	65,000-95,000	ASTM-D-1824
Gel Time at 165°C (329°F), 1g, minutes	<1	ASTM-D-2471
Work life at 25°C (77°F), 10 g, 50%, days	2-4	FTM-203
Shelf life @ 25°C (77°F), unopened, months	6	FTM-204

Cure Schedule

1 hour at 165°C (329°F)

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Packaging & Storage

ARALDITE 7047 is considered non-hazardous for shipping purposes. Keep containers closed when not in use.

Please contact the customer service group for packaging information.

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 888-564-9318 or emailing your request to electrical_insulation_materials@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**

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