AEROSPACE MATERIAL SPECIFICATION

AMS3731™/5	REV. C

Issued 1981-10
Revised 1993-01
Cancelled 2016-09

Superseding AMS3731/5B

Potting Compound, Epoxy
Bisphenol A-Type
Filled, Room Temperature Cure, Low Exotherm

RATIONALE

Cancel due to inaccurate technical requirements.

CANCELLATION NOTICE

This Technical Report has been declared "CANCELLED" as of September 2016. By this action, this document will remain listed in the respective index, if applicable. Cancelled Technical Reports are available from SAE.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2016 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)**
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
SAE WEB ADDRESS: http://www.sae.org

SAE values your input. To provide feedback on this Technical Report, please visit http://www.sae.org/technical/standards/AMS3731/5C

AVA Documents Document Sharing Hub
Full document details: SAE AMS3731_5C

1. SCOPE:

1.1 Form: This specification covers a filled, room-temperature-polymerizing epoxy resin formulation, supplied as a two-component system.

1.2 Application: Primarily for use as a potting or sealing material where a low coefficient of thermal expansion is desired.

2. APPLICABLE DOCUMENTS: See AMS 3731.

3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification: The complete requirements for procuring the product described herein shall consist of this document and the latest issue of the basic specification, AMS 3731.

3.2 Material: Shall be an epoxy-based polymer with a filler and a curing agent.

3.3 Properties: The compound shall conform to the following requirements:

3.3.1 Mixed Uncured Compound: The compound, mixed in accordance with manufacturer's instructions, shall exhibit the following properties:

3.3.1.1 Viscosity: Shall be not greater than 10,000 centipoise (10.0 Pa•s) at 23°C (73°F), determined within 5 min. after mixing, using a Brookfield Model LVF viscometer and No. 3 spindle at 6 revolutions per minute.

3.3.1.2 Pot Life: Usable life of the compound, defined as the time to attain double the initial viscosity determined in 3.3.1.1, shall be not less than 45 min. at 23°C (73°F).

Documents
Document Sharing Hub

Full document details: SAE AMS3731_5C