AEROSPACE MATERIAL SPECIFICATION

AMS3731™/6	REV. C

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

Superseding AMS3731/6B

Potting Compound, Epoxy
Bisphenol A-Type
Syntactic Foam, Heat Cure

RATIONALE

Cancel due to inaccurate technical requirements.

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1. SCOPE:

1.1 Form: This specification covers a glass or silica microsphere-filled epoxy resin formulation, supplied as a two-component system, requiring an oven cure for attainment of maximum properties.

1.2 Application: Primarily for use as a potting or sealing material where low density 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 curing agent, containing AMS hollow glass microspheres.

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 8000 centipoise (8.0 Pa•s) at 75° (165°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 75°C (165°F).

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