



AEROSPACE MATERIAL SPECIFICATION

AMS3731™/3

REV. C

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

Superseding AMS3731/3B

Potting Compound, Epoxy
Bisphenol A-Type
Filled, Heat Cure, Machinable

RATIONALE

Cancel due to inaccurate technical requirements.

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1. SCOPE:

- 1.1 Form: This specification covers an epoxy resin formulation with fillers such as calcium carbonate, supplied as a two-component system, requiring an oven cure for attainment of maximum properties.
- 1.2 Application: Primarily for cast shapes, encapsulation, or use as a sealing material where machinability is desirable.

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 1000 centipoise (1.0 Pa·s) at 65°C (150°F), determined within 5 min. after mixing, using a Brookfield Model LVF viscometer and No. 2 spindle at 12 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 60 min. at 65°C (150°F).