



AEROSPACE MATERIAL SPECIFICATION

AMS3725™/2

REV. B

Issued 1984-01
Revised 1993-01
Stabilized 2016-11

Superseding AMS3725/2A

Core, Polyurethane Foam (Polyether)
4.0 Pounds Per Cubic Foot (64 kg/m³) Density

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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1. SCOPE:

- 1.1 Form: This specification covers a rigid cellular polyurethane or polyisocyanurate (polyether only) foam in the form of board or block.
- 1.2 Application: Primarily for use as insulating core material in metal-faced sandwich constructions for use from -65° to 160°F (-55° to 70°C).

2. APPLICABLE DOCUMENTS: Shall be as shown in AMS 3725.

3. TECHNICAL REQUIREMENTS:

- 3.1 Basic Specification: The complete requirements for procuring the core described herein shall consist of this document and the latest issue of the basic specification, AMS 3725.
- 3.2 Material: Shall be as specified in AMS 3725.
- 3.3 Properties: Core shall have the following properties, determined in accordance with test methods listed in AMS 3725:
- 3.3.1 Density: 3.4 to 4.6 lb per cu ft (54 to 74 kg/m³).
- 3.3.2 Thermal Conductivity: 0.2 BTU in. per hr•ft²•°F (0.03 W/(m•°C)), maximum.
- 3.3.3 Water Absorption: 0.08 lb per ft² (0.38 kg/m²), maximum.
- 3.3.4 Flame Resistance: (See 8.2 of AMS 3725).