



AEROSPACE MATERIAL SPECIFICATION

AMS-PRF-46194™

REV. B

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Superseding AMS-PRF-46194A

Foam, Rigid, Structural, Closed Cell

RATIONALE

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

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Documents

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1. SCOPE:

1.1 Scope:

This specification covers rigid, structural, closed cell foam (see 6.1).

1.2 Classification:

The foam to be of the following types and classes:

Type I For processing up to temperatures of 250°F (121°C)

Class 1 2.0 lb_m / ft³ (32.0 kg/m³) density, nominal

Class 2 3.2 lb_m / ft³ (51.3 kg/m³) density, nominal

Class 3 4.7 lb_m / ft³ (75.3 kg/m³) density, nominal

Type II For processing up to temperatures of 350°F (177°C) after post-curing (see 6.4)

Class 2 3.2 lb_m / ft³ (51.3 kg/m³) density, nominal

Class 3 4.7 lb_m / ft³ (75.3 kg/m³) density, nominal

Class 4 6.9 lb_m / ft³ (110.5 kg/m³) density, nominal

Class 5 12.8 lb_m / ft³ (205.0 kg/m³) density, nominal

Class 6 18.7 lb_m / ft³ (299.5 kg/m³) density, nominal

2. APPLICABLE DOCUMENTS:

2.1 General:

The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Non-Government publications:

The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted are those listed in the issue of the DoDISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS are the issues of the documents cited in the solicitation (see 6.2).