



AEROSPACE MATERIAL SPECIFICATION

AMS-P-83310™

REV. A

Issued	1998-03
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Superseding AMS-P-83310

Plastic Sheet, Polycarbonate, Transparent

RATIONALE

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

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This document has been taken directly from U.S. Military Specification MIL-P-83310, and contains only minor editorial and format changes required to bring it into conformance with the publishing requirements of SAE technical standards. The initial release of this document is intended to replace MIL-P-83310. Any part numbers established by the original specification remain unchanged.

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1. SCOPE AND CLASSIFICATION:

1.1 SCOPE:

This specification covers transparent flat polycarbonate plastic sheet material suitable for aerospace transparent enclosures requiring excellent optical properties.

1.2 Classification:

The sheet material shall be full finish, transparent. A sheet, as defined for this specification, shall be of monolithic construction, or a multi-ply fusion bonded polycarbonate transparency.

1.3 Safety- Hazardous Materials:

While the materials, methods, applications, and processes described or referenced in this specification may involve the use of hazardous materials, this specification does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take the necessary precautionary measures to ensure the health and safety of all personnel involved.

2. APPLICABLE DOCUMENTS:

The following publications, of the issues in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

2.1 U.S. Government Publications:

Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-P-116	Preservation, Methods of
MIL-E-9500	Ethylene Glycol, Technical
MIL-L-10547	Liners, Case, and Sheet, Overwrap, Water-Vaporproof or Waterproof, Flexible
MIL-B-13239	Barrier Material, Waterproofed, Flexible All Temperature
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-1186	Cushioning, Anchoring, Bracing, Blocking and Waterproofing, with Appropriate Test Methods
NN-P-530	Plywood, Flat Panel
PPP-B-585	Boxes, Wood, Wirebound
FPP-B-591	Boxes, Fiberboard, Wood-Cleated
PPP-B-601	Boxes, Wood, Cleated-Plywood
PPP-B-621	Boxes, Wood, Nailed and Lock-Corner
FED-STD-406	Plastics; Methods of Testing

2.2 ASTM Publications:

Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM D2863-70 Flammability of Plastics Using the Oxygen Index Method

2.3 Consolidated Classification Committee:

Available from Consolidated Classification Committee, 202 Chicago Union Station, Chicago, IL 60606.

Uniform Freight Classification Rules