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AEROSPACE MATERIAL SPECIFICATION

AMS 3922A

Issued 7-1-47
Revised 10-1-82

PLYWOOD, HIGH DENSITY

This specification has been declared "NONCURRENT" by the Aerospace Materials Division, SAE, as of 2-1-56. It is recommended that this specification not be specified for new designs.

This cover sheet should be attached to the "A" revision of the subject specification.

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This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of 10-1-82. By this action, subject specification number and title will be deleted from the active specification index of Aerospace Material Specifications.

This specification is under the jurisdiction of AMS Committee "C".

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CANCELED

AEROSPACE MATERIAL SPECIFICATIONS

AMS 3922A

Issued 7-1-47

Revised 2-15-53

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc. 45 Lexington Ave., New York 17, N.Y.

PLYWOOD, HIGH DENSITY

1. ACKNOWLEDGMENT: A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. FORM: Flat panels.
3. APPLICATION: Primarily for heavily loaded components of shipping containers and similar parts where high strength characteristics are required.
4. MATERIAL AND FABRICATION: Laminated wood veneers bonded with synthetic resin glue.
 - 4.1 Veneer: May be rotary cut, sliced or sawed, and shall be of the following species:

American Beech
Birch (yellow, sweet, paper or Alaska)
Hard Maple (including sound Bird's Eye)
 - 4.2 Glue: Shall be of either cold-setting or hot-press, thermosetting synthetic resin type, and shall be resistant to the formation and growth of molds and fungi.
 - 4.3 Number and Arrangement of Plies: Material shall consist of an odd number of plies of substantially equal and uniform thickness. Face plies shall be of birch or maple. Interior plies may be of birch, beech or maple. All plies, except the center ply, shall occur in pairs and the two plies of each pair shall be of the same species and direction of grain, and placed on opposite faces of the center ply. The grain of each ply shall be essentially at right angles to that of adjacent plies and to edges of finished panel. The grain of face plies shall be essentially parallel to the long dimension of the finished panel.
 - 4.4 Seams: May be present in individual plies provided the following requirements are met.
 - 4.4.1 All joints shall be close with no overlapping.
 - 4.4.2 Joints parallel to the grain of the ply may be either butt or scarfed and shall be essentially parallel to the grain of both veneers.
 - 4.4.3 Joints perpendicular to the grain of the ply shall be scarfed and shall be essentially at right angles to the grain of both veneers. Slope of scarves shall be approximately 1 in 12.
 - 4.4.4 Tape shall be used only at joints on outside surface of face plies.
 - 4.4.5 Metal staples shall be used only when no other means of fastening is practicable; such staples shall be removed from finished panels.

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