



AEROSPACE MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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AMS 4508C
Superseding AMS 4508B

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BRASS SHEET, LAMINATED
70Cu - 30Zn
Surface Bonded

1. **ACKNOWLEDGMENT:** A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. **APPLICATION:** Primarily for shims in which thickness is to be adjusted by removal of laminations as required.
3. **COMPOSITION:**
 - 3.1 **Laminations:**

	min	max
Copper	68.5	71.5
Lead	--	0.07
Iron	--	0.05
Other Elements, total	--	0.15
Zinc	remainder	

4. **FABRICATION:**

- 4.1 Laminated shim stock shall be fabricated from brass laminations in the quarter-hard or harder temper. Stock shall consist completely of laminations each 0.002 in. \pm 0.0002 thick or 0.003 in. \pm 0.0003 thick, or partly of such laminations combined with a single thicker lamination, as ordered, sweated together with special metallic binder such that individual laminations may be peeled for adjustment of shim thickness.
- 4.2 Unless otherwise specified, the product shall be of the following thicknesses and combinations of laminations and solid base:

Nominal Thickness of Shim Stock, Inch	All Laminated (0.002 in. Laminations)	All Laminated (0.003 in. Laminations)	Half Solid Half Laminated (0.002 in. Laminations)	Half Solid Half Laminated (0.003 in. Laminations)	Three Quarters Solid One Quarter Laminated (0.002 in. Laminations)	Three Quarters Solid One Quarter Laminated (0.003 in. Laminations)
	0.006	X				
0.008	X					
0.010	X					
0.016	X	X				
0.020	X	X				
0.032	X	X				
0.047	X	X				
0.062	X	X	X	X		
0.094	X	X	X	X		
0.125	X	X	X	X	X	X

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