

# AERONAUTICAL MATERIAL SPECIFICATION

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## BRASS SHEET, LAMINATED 65Cu - 35Zn

1. **ACKNOWLEDGMENT:** A vendor shall mention this specification number 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:**

Copper	64.50 - 67.50
Lead	0.35 max
Iron	0.06 max
Zinc	remainder

Note: The above composition applies to the brass sheet from which laminated shim stock is made.

4. **FABRICATION:**

4.1 Laminated shim stock shall be fabricated from brass sheet in half-hard temper. Stock shall consist completely of laminations each  $0.002 \pm 0.0002$  or  $0.003 \pm 0.0002$  inch thick, or partly of such laminations and partly of solid sheet, as ordered, sweated together with special metallic binder such that individual laminations may be peeled for adjustment of shim thickness.

4.2 Stock shall be of the following thicknesses and combinations of laminated and solid sheet:

Nominal Overall Thickness	All Laminations	All Laminations	Half Solid Laminations	Half Solid Laminations	Three Quarters Solid Laminations	Three Quarters Solid Laminations
Inch	(0.002 in. Laminations)	(0.003 in. Laminations)	(0.002 in. Laminations)	(0.003 in. Laminations)	(0.002 in. Laminations)	(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

5. **QUALITY:**

5.1 Material shall be uniform in quality and condition, clean, sound, smooth, and free from foreign materials and from internal and external defects detrimental to fabrication or to performance of parts.