



ZINC ALLOY, SHEET AND STRIP

WSB-M2A98-B

1. SCOPE

The material defined by this specification is a wrought zinc alloy containing copper with good forming properties.

2. APPLICATION

This specification was released originally for material used for decorative trim parts that are subsequently chromium electroplated.

3. REQUIREMENTS

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.2 CHEMICAL COMPOSITION

Copper	0.70 - 0.90
Lead	0.005 max
Cadmium	0.005 max
Iron	0.008 max
Zinc	Remainder

3.3 MECHANICAL PROPERTIES (ASTM E 8M)

3.3.1	Yield Strength, min	115 MPa
3.3.2	Tensile Strength, min	160 MPa
3.3.3	Elongation, min	35%
3.3.4	Hardness (Rockwell 15 T)	65 +/- 5 *

*The hardness shall be measured after a 15 second delay, to allow the indentation to stabilize.

3.4 CHROMIUM ELECTROPLATING

This material shall be capable of consistently conforming to the requirements of the Bright or Low Gloss Decorative Electroplating specification WSB-M1P77, unless otherwise specified on the engineering drawing.

Date	Action	Revisions
2003 09 11	Revised	Para 3.0 inserted; Para 4 deleted
1989 06 01	NB00I1002	Released



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5. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification.

Physical Properties

Density (Mg/m ³)	7.17
Coefficient of Thermal Expansion (1/°C)	34.75 X 10E - 6
Electrical Conductivity (% IACS)	28