



POSSEHL ELECTRONICS

Possehl Electronics (Malaysia) Sdn. Bhd.

Plated Leadframe

Material Safety Data Sheet

1. Product Detail

Product : Plated Leadframe on C7025

Company Identification Possehl Electronics (Malaysia) Sdn. Bhd.
Lot 33, Phase III, Batu Berendam FTZ,
75350 Melaka,
Malaysia.
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2. Composition/Ingredients

Alloy elements	Copper (Cu)	Magnesium (Mg)	Nickel (Ni)	Silicon (Si)	Silver (Ag)
%	Balance	0.05 - 0.30	2.20 - 4.20	0.25 - 1.20	0.06-0.10
CAS No.	7440-50-8	7439-95-4	7440-02-0	7440-21-3	7440-22-4

3. Hazards Identification

NA

4. First Aid Measure

Contact with skin : Wash with water and soap.
Contact with eye : Wash with water.
Inhalation : (no fume or vapour)
Accidental ingestion : Consult doctor as soon as possible.

5. Fire-fighting Measure

Suitable extinguishing media : Use appropriate media for surrounding fire.
Do not breathe in vapour during fire fighting.
Fire fighter protection : Use self-contained breathing apparatus.

6. Accidental Release Measures

Collect in suitable container.
Refer to manufacturer/supplier for information on recovery / recycling.

7. Handling and Storage

Handling : Use finger cots or gloves to avoid stains or contaminants on frames.
Close container after use to prevent dust or residue.

Storage : Keep in cool and dry place.
Temperature = $\leq 25^{\circ}\text{C}$
Humidity = RH $\leq 65\%$
Do not store together with chemical or humid area to prevent oxidation.
Keep away from food and drinks.

8. Personal Protection

Measures for general hygiene. No eating, drinking or smoking at work.
Wash hands before break or end of work.
Hand protection : Use rubber / plastic or cotton gloves.

9. Physical and Mechanical Properties

Form : Solid
Colour : Copper / Silver colour
Odour : None

Electrical Conductivity	≥40 % IACS
Thermal Conductivity	190 W/(m.K)
Coefficient of Thermal Expansion	17.6 10 ⁻⁶ /K
Density	8.82 g/cm ³
Modulus of Elasticity	130 kN/mm ²

Temper	HH
Tensile Strength R _m	620-760
Yield Strength R _{p0.2}	≥500
Vickers Hardness HV	180-220
Elongation A _{50mm}	≥10

10. Safety and Reactivity

NA.

11. Toxicological Information

NA.

12. Ecological Information

Non-biodegradable.

13. Disposal Considerations

Disposal according to local, state and federal legislation.
Recommended for recovery / recycling.

14. Transportation Data

NA.

15. Regulatory Information

NA.

16. Other Information

The above information was compiled and made as accurate as possible to the best of our knowledge. This, however, does not represent a guarantee or warranty to the product itself or usage in general. Possehl disclaim all warranties of any kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to use or suitability of the product. All risks of use of the product are therefore assumed by the user.

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