



Consolidated Alloys

A Division of C.A. Group Australasia Pty. Limited inc in Vic.
ABN 83 005 084 097

www.cagroup.com.au

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NICKEL S-ROUNDS

PRODUCT DESCRIPTION Nickel S-Rounds are button shaped pieces of nickel approximately 25mm (1 in.) diameter and about 6.5mm (0.25 in.) thickness.

APPLICATIONS Nickel S-Rounds is the world's most popular activated anode material with a unique shape that makes it ideal for plating with baskets. Activation is imparted by codepositing a small, controlled amount of sulfur with the nickel during the electrowinning process. Nickel S-Rounds has all the advantages associated with enhanced anode activity.....smooth, uniform dissolution; 100% anode efficiency in all nickel plating solutions, even those without chlorides; absence of metallic residues, and low dissolution potentials at high current densities. The lower resistance to current flow compared to sulfur-free nickel accounts for significant power and cost savings in the plating shop. The sulfur in this product does not enter the solution but forms an insoluble nickel sulfide residue that is retained in the anode bag where it acts to remove unwanted copper impurities from the plating solution. The advantages associated with its shape.....improve settling in baskets, safe handling, improved flowability compared to squares of various sizes....combined with its enhanced anodic activity have made this versatile product the world's most popular activated anode material.

TYPICAL CHEMICAL ANALYSIS

Nickel plus Cobalt - 99.97	
Cobalt - 0.050	Sulfur - 0.023
Copper - 0.001	Arsenic - 0.001
Carbon - 0.003	Lead - 0.0005
Iron - 0.0004	Zinc - 0.0001

*Exceeds the chemical requirements ASTM B 39 and ISO 6283, NR9880, except for the sulfur content

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MELBOURNE (Head Office):
32 Industrial Avenue.
Thomastown, Vic. 3074
Telephone: (03) 9359 5811
Facsimile: (03) 9359 4076

SYDNEY:
5 Coates Place,
Wetherill Park, N.S.W. 2164
Telephone: (02) 9756 4011
Facsimile: (02) 9756 4074

BRISBANE:
Chrome Street,
Salisbury Nth, Qld. 4107
Telephone: (07) 3277 2977
Facsimile: (07) 3875 1994

PERTH:
1/19 Dowd Street,
Welshpool, W.A. 6106
Telephone: (08) 9353 4818
Facsimile: (08) 9353 4814

ADELAIDE:
Solder-Tech Pty. Ltd.
St Marys, S.A. 5042
Telephone: (08) 8276 8566
Facsimile: (08) 8276 9849

TASMANIA:
Wholesale Products Pty. Ltd.
Glenorchy, TAS. 7010
Telephone: (03) 6273 3455
Facsimile: (03) 6273 1901