

Ametek High Purity Nickel Strip 899G Annealed

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Information supplied by Ametek Specialty Metal Products. AMETEK High Purity Nickel offers major advantages to the rechargeable battery industry, including: Lowest electrical resistivity available in pure nickel strip. Homogeneity, microcleanliness, and close composition control enhances weldability. Significantly low levels of surface oxides reduces die wear and provides excellent solderability. Excellent formability. Typical applications for rechargeable batteries: computers, cellular phones, power tools, electric vehicles, pagers, and camcorders.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ametek-High-Purity-Nickel-Strip-899G-Annealed.php

Physical Properties	Metric	English	Comments
Density	8.90 g/cc	0.322 lb/in ³	

Mechanical Properties	Metric	English	Comments
Poissons Ratio	0.31	0.31	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	86.0 W/m-K	597 BTU-in/hr-ft ² -°F	
	@Temperature 70.0 °C	@Temperature 158 °F	
Melting Point	1453 °C	2647 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.010 - 0.020 %	0.010 - 0.020 %	
Copper, Cu	<= 0.010 %	<= 0.010 %	
Iron, Fe	<= 0.050 %	<= 0.050 %	
Magnesium, Mg	0.0060 - 0.014 %	0.0060 - 0.014 %	
Manganese, Mn	0.022 - 0.042 %	0.022 - 0.042 %	
Nickel, Ni	99.6 %	99.6 %	
Silicon, Si	<= 0.0020 %	<= 0.0020 %	
Sulfur, S	<= 0.0010 %	<= 0.0010 %	

Electrical Properties	Metric	English	Comments
	0.00000763 ohm-cm	0.00000763 ohm-cm	

Electrical Resistivity Electrical Properties	Metric @ Temperature 20.0 °C	English @ Temperature 68.0 °F	Comments
Curie Temperature	353 °C	667 °F	

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