

ACE

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MAGNESIUM ANODES

ACE, in conjunction with its technology partners, is in a position to supply wrought magnesium products in conventional anode formats and in custom engineered extruded sections and machined profiles.

Available Alloys

The following Alloys are available:

<i>Chemical Composition</i>	<i>Standard Potential</i>	<i>High Potential</i>	<i>Electrochemical Properties</i>	<i>Standard Potential</i>	<i>High Potential</i>
<i>Aluminium (Al)</i>	<i>5,3% to 6,7%</i>	<i>0,05% Max</i>	<i>Capacity (A.hrs/kg)</i>	<i>1100</i>	<i>1150 Min</i>
<i>Magnese (Mn)</i>	<i>0,3% Min</i>	<i>0,50-1,30%</i>	<i>Natural</i>	<i>1500mV</i>	<i>-1650 to</i>
<i>Iron (Fe)</i>	<i>0,01% Max</i>	<i>0,01% Max</i>	<i>Potential (mV)</i>	<i>(min)</i>	<i>1700 mV</i>
<i>Copper (Cu)</i>	<i>0,05% Max</i>	<i>0,02% Max</i>	<ul style="list-style-type: none">• <i>Testing to ASTM specification.</i>• <i>ISO9001 Quality Assurance</i>• <i>Special alloys on request</i>		
<i>Nickel (Ni)</i>	<i>0,001% Max</i>	<i>0,001% Max</i>			
<i>Silicon (Si)</i>	<i>0,1% Max</i>	<i>-</i>			

<i>Zinc (Zn)</i>	<i>2,5% to 3,5%</i>	<i>0,03% Max</i>	
<i>Others</i>	<i>0,05% Max</i>	<i>0,05% Max</i>	
<i>Magnesium (Mg)</i>	<i>Balance</i>	<i>Balance</i>	