

PHYSICAL PROPERTIES

	ZINC		ALUMINUM		MAGNESIUM				
COMPOSITION	TYPICAL "HARBOR" ANODES	MIL SPEC A-18001K	TYPICAL "HARBALUM" ANODES	MIL SPEC A-24779	H-1			HIGH	GALVOROD
					GRADE A	GRADE B	GRADE C	POTENTIAL	
Aluminum	0.25	.1 - .5	Balance	Balance	5.3 - 6.7	5.3 - 6.7	5.3 - 6.7	.003 max	2.5 - 3.5
Cadmium	0.05	.025 - .07	-	-	-	-	-	-	-
Iron	0.001	.005 max	.06	.09 max	.003 max	.003 max	.003 max	0.025 max	.002 max
Copper	0.001	.005 max	.003	.004 max	0.02 max	0.05 max	0.1 max	0.001 max	0.01 max
Lead	0.002	.006 max	-	-	-	-	-	-	-
Zinc	Balance	Balance	6.0	4.0 - 6.5	2.3 - 3.5	2.3 - 3.5	2.3 - 3.5	.002 max	0.7 - 1.3
Indium	-	-	0.017	.014 - .020	-	-	-	-	-
Silicon	-	-	0.15	.08 - .20	0.1 max	0.2 max	0.3 max	0.002 max	.05 max
Mercury	-	-	-	.001 max	-	-	-	-	-
Tin	-	-	-	.001 max	-	-	-	-	-
Manganese	-	-	-	-	.15 min	.15 min	.15 min	0.50 - 1.30	.20 min
Nickel	-	-	-	-	0.002 max	0.003 max	0.003 max	0.0005 max	0.001 max
Magnesium	-	-	-	-	Balance	Balance	Balance	Balance	Balance
Other Imp	-	-	-	.020 max	.20 max	.20 max	.30 max	.05 max	.30 max

ELECTROCHEMICAL PROPERTIES

	ZINC	ALUMINUM	MAGNESIUM	
	ZINC HARBOR MIL-A-18001	ALUMINUM HARBALUM MIL-A-24779	H-1	HIGH POTENTIAL
Theoretical ampere-hours per pound	372	1352	-	-
Current Efficiency (percent)	95	85	50 - 54	50 - 55
Actual ampere-hours per pound	354	1150	500 - 540	500 - 550
Consumption, pounds per ampere year	24.8	7.62	17	17
Potential (reference Cu/Cu/SO4)	-1100m/v	-1150m/v	-	-
Closed Circuit Potential (Cu/Cu/SO4)	-	-	-1.45 to -	-1.50 to -1.75v
Open Circuit Potential (Cu/Cu/SO4)	-	-	-1.50 to -	-1.70 to -1.75v