Magnesium Anode Data Sheet

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| **00** | **02/06/2024** | **Data sheet** | **Z.Asadi** | **Z.Asadi** | **M.Tehrani** |
| **REV.** | **DATE** | **DESCRIPTION** | **PREPARED** | **CHECKED** | **APPROVED** |

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| Magnesium Anode (50 Lb.) | |
| Anode type | High potential type |
| Reference | According to IPS-M-TP-750/3 |
| Chemical Composition | Al 0.01 Max |
| Mn 0.9-1.3 |
| Cu 0.02 Max |
| Fe 0.03 Max |
| Ni 0.001 Max |
|  | Si 0.05 Max |
| Sn 0.01 Max |
| Pb 0.01 Max |
| Mg Reminder |
| Anode weight | 50 lb. |
| Gross weight Approx. (kg) Without Backfill | 21.8 |
| Gross weight Approx. (kg) With Backfill | 45 |
| Cable Size &Type& Length | According MTO |
| Cable Color | According MTO |
| Backfill Composition Acc to IPS-M-TP-750(9.1) | Gypsum (CaSo4) Hydrated 75% |
| Bentonite Clay 20% |
| Sodium Sulfate 5% |
| Approx. Resistivity  50 Ω.cm |
| Electrochemical capacity | 1200 A.hr/kg |
| Closed circuit potential | -1.75 vs. Cu/CuSo4 |
| Consumption rate | 7.3 kg/A-year |
| Minimum current efficiency | 50% |
| Anode Dimensions: | Length= 140, Dia= 140, Thickness= 820 mm |
| Insert Dimension (mm) | 405×16×1.5 |
| Insert Material | Galvanized Steel |