



DATA SHEET
High Silicon Anode

DOC NO.:

4-CH-31

TITLE:

HIGH SILICON - CHROMIUM - CAST IRON ANODE (22.5 KG NET WT)

Standard: ASTM A518M-86/3 & IPS-M-TP-750/1

| | | | | | | | |
|---------|---|-------|--|----------------------------|---|------------------------------------|--|
| 1 | TYPE | 1.1 | <input type="checkbox"/> Tantiron "N" <input checked="" type="checkbox"/> Rod Type | | | | |
| | | 1.2 | <input checked="" type="checkbox"/> Tantiron "C" <input type="checkbox"/> Tubular Type | | | | |
| 2 | FIGURE | 2.1 | <input checked="" type="checkbox"/> Single Ended | | | | |
| | | 2.2 | <input type="checkbox"/> Double Ended | | | | |
| | | 2.3 | <input type="checkbox"/> No Ended Type | | | | |
| 3 | CHEMICAL COMPOSITION | 3.1 | Carbon: | 0.7%-1.1% | | | |
| | | 3.2 | Silicon: | 14.25%-14.75% | | | |
| | | 3.3 | Chromium: | 3.25%-5.0% | | | |
| | | 3.4 | Manganese: | 1.5% max | | | |
| | | 3.5 | Molybdenum: | 0.2% max | | | |
| | | 3.6 | Copper: | 0.5% max | | | |
| | | 3.7 | Iron: | Remainder | | | |
| 4 | DIMENSION & WEIGHT | 4.1 | Diameter: | 51 mm | | | |
| | | 4.2 | Length: | 1525 mm | | | |
| | | 4.3 | Head Diameter: | 76 mm | | | |
| | | 4.4 | Surface Area: | 0.24 m ² | | | |
| | | 4.5 | Approx. Weight: | 22.5 Kg | | | |
| 5 | PHYSICAL PROPERTIES | 5.1 | Density: | 7 – 7.05 g/cm ³ | | | |
| | | 5.2 | Hardness: | 500 Brinell - min | | | |
| | | 5.3 | Compressive Strength: | 650 Mpa - min | | | |
| | | 5.4 | Electrical Resistivity: | 72 μΩ.cm - max | | | |
| | | 5.5 | Impact Resistance: | 0.1 J - min | | | |
| 6 | CABLE | 6.1 | Length: | Acc. To PO | | | |
| | | 6.2 | Size: | Acc. To PO | | | |
| | | 6.3 | CONNECTION TO ANODE: <input checked="" type="checkbox"/> Lead Caulking <input type="checkbox"/> Pin Type | | | | |
| | | 6.4 | Cable Insulation Type | 6.4.1 | <input checked="" type="checkbox"/> Standard Type | 6.4.1.1 | <input type="checkbox"/> Single Jacket PVC |
| | | | | | | 6.4.1.2 | <input type="checkbox"/> Single Jacket HMWPE |
| | | | | | | 6.4.1.3 | <input checked="" type="checkbox"/> Double Jacket XLPE/PVC |
| | | | | | | 6.4.1.4 | <input type="checkbox"/> XLPE/SWA/PVC |
| | | 6.4.2 | <input type="checkbox"/> Chlorine Resistance Type | 6.4.2.1 | <input type="checkbox"/> Single Jacket PVDF | | |
| 6.4.2.2 | <input type="checkbox"/> Double Jacket HMWPE/PVDF | | | | | | |
| 7 | ENCAPSULATION | 7.1 | <input type="checkbox"/> PVC Cap | | | | |
| | | 7.2 | <input checked="" type="checkbox"/> Heat Shrinkable Cap | | | | |
| | | 7.3 | <input type="checkbox"/> PVC & Heat Shrinkable Cap | | | | |
| 8 | BACKFILL | 8.1 | <input type="checkbox"/> Yes (With Canister) | 8.1.1 | Canister Dimension | Length: ... mm Diameter: ... mm | |
| | | | | 8.1.2 | Coke Type: | | |
| | | | | 8.1.3 | Approx. Coke Weight: | ... kg | |
| | | | | 8.1.4 | Approx. Total Weight: (With Anode) | ... kg | |
| | | 8.2 | <input checked="" type="checkbox"/> No (Without Canister) | | | | |