

High Power (HP) Grade Graphite Electrodes

| TYPICAL PHYSICAL PROPERTIES(GRADE:CPH) | |
|--|-------|
| BULK DENSITY g/cm ³ | ≥1.68 |
| SPECIFIC RESISTANCE μΩm | ≥6.5 |
| FLEXURAL STRENGTH Mpa (min) | ≥11 |
| YOUNG'S MODULUS Gpa (max) | ≥16 |
| ASH CONTENT (max) % | ≥0.2 |
| CTE x10 ⁻⁶ /Deg .C | ≥1.9 |

| CURRENT CARRYING CAPACITY (GRADE:CPH) | |
|---------------------------------------|----------------------------------|
| NOMINAL DIAMETER (MM) | CURRENT CARRYING CAPACITY (AMPS) |
| 75 | 1200-2500 |
| 100 | 1600-3500 |
| 130 | 2500-4800 |
| 150 | 4200-6500 |
| 175 | 5000-9000 |
| 200 | 6000-10000 |
| 225 | 7500-12500 |
| 250 | 9000-15500 |
| 300 | 13000-21000 |
| 350 | 16500-27000 |
| 400 | 21500-35000 |
| 450 | 27000-44000 |
| 500 | 31000-50000 |