

## Ultra High Power (UHP) Grade Graphite Electrodes

TYPICAL PHYSICAL PROPERTIES (GRADE:UHP)	
BULK DENSITY g/cm <sup>3</sup>	≥1.71
SPECIFIC RESISTANCE μ Ωm	≥6.0
FLEXURAL STRENGTH Mpa (min)	≥11
YOUNG'S MODULUS Gpa (max)	≥16
ASH CONTENT (max) %	≥0.2
CTE x10 <sup>-6</sup> /Deg.C	≥1.5

CURRENT CARRYING CAPACITY (GRADE:UHP)	
NOMINAL DIAMETER (MM)	CURRENT CARRYING CAPACITY (AMPS)
200	6500-11000
225	8000-15000
250	10000-175000
300	14000-24500
350	18000-32000
400	23000-40000
450	30000-51000
500	35000-60000
550	45000-70000
600	55000-82000