



BATTERIES / FUEL CELLS

Alkaline Batteries

Graphite powders are used as an additive in the cathode rings of alkaline batteries which ensure the necessary electrical conductivity of the cathode mass, increase the mechanical stability and processability of the rings and optimize their electrolyte absorption. In addition, the lubricating effect of graphite minimizes tool wear. Graphite dispersions are applied to the inner surface of the battery can, to increase electrical conductivity and resistance to corrosion.



GRADE	Carbon content min (%)	Oxidation resistance	Bulk Density (g/100cc)	Particle size distribution
C-1-2	99.78	47.10	0.55	+50 Mesh : 1% -50+100 Mesh : 85-87%
C-1-5	99.65	86.50	0.50	+100 Mesh : 6.8% +200 Mesh : 72%

And as per customer's specific requirements can supply

Dry Cells

Natural Graphite powders are used as an additive in the cathode rings of alkaline batteries which ensure the necessary electrical conductivity of the cathode mass, increase the mechanical stability and processability of the rings and optimize their electrolyte absorption.



GRADE	Carbon content min (%)	Oxidation resistance	Bulk Density (g/100cc)	Particle size distribution
B-U-1	99.85		0.10	Avg. 3 Microns
C-U-12	99.9	98.93	0.22	D90 : <35 Microns

And as per customer's specific requirements can supply

Cold extrusion of Zinc Caps

Natural Graphite Powders are used to cathode mix to improve the conductivity.



GRADE	Carbon content min (%)	Oxidation resistance	Bulk Density (g/100cc)	Particle size distribution
	98.0	96.91	0.45	+350 Mesh : 10%

And as per customer's specific requirements can supply

Fuel Cells

Natural and Synthetic Graphite powders are used, to ensure the necessary electrical and thermal conductivity. Graphite dispersions are the optimal coating to prevent corrosion.



GRADE	Carbon content min (%)	Oxidation resistance	Bulk Density (g/100cc)	Particle size distribution
C-U-5	99.0		0.10	+2 Micron: 50%max.
S-12-3	99.5	84.20	0.25	+325# : 5% max. -325# : 95-97%

And as per customer's specific requirements can supply