



GRAPHENE ARMORED CURRENT COLLECTOR

Global Graphene Group's (G³) graphene aluminum (GA-14) and graphene copper (GC-08) current collectors offer a unique solution to improve adhesion between the active material layer and the current collector without sacrificing electrical conductivity or energy density.



APPLICATIONS

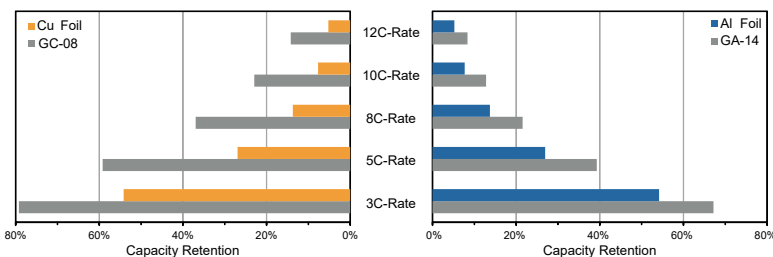
- Li-ion batteries
- Li-metal batteries
- Capacitors

BENEFITS

- Lower internal resistance
- Super light weight
- Electrolyte stability improved
- Rate performance

Typical properties	Units	GC-08	GA-14
Thickness	µm	8 ± 1	14 ± 1
Tensile strength	gf/mm ²	> 32	20 - 21
Elongation	%	> 3	1 - 4
Areal density	g/m ²	71 ± 1	38 ± 0.3
Anti-Oxidation	200°C, 30 min	No Color Change	No Color Change
Graphene layer thickness	nm	30 ~ 50	30 ~ 50
Carbon content	%	> 90	> 90
Electrical conductivity	S/m	5.4 - 5.6 x 10 ³	3.1 - 3.2 x 10 ³

RATE



PEEL TEST FOR GA-

