

SHX carbon-coated foil for batteries

We make carbon-coated aluminum foil products, drawing on over 40 years of experience and knowledge with aluminum foil production and quality control systems. New production equipment coming in FY2020 will boost production capacity and can accommodate substrate widths of up to 1.2 m. It will also enable production of custom lines such as carbon-coated copper foil and carbon-coated foil combined with client-supplied electrode coating in accordance with ever-changing needs.

- Properties of carbon-coated foil for batteries
- ◇ High density and strength
 - ◇ Less interface resistance
 - ◇ High rate properties

- Quality
- ◇ Q-system
(In-house production control system)
 - ◇ Traceability control
 - Auto-generated production conditions records
 - Control system
 - Workmanship and inspection records
 - ◇ Clean production room
 - Class 100,000
 - ◇ Inspection
 - Surface inspection machine
 - In-line strobe inspection
 - Various performance testers
 - ◇ Other countermeasures
 - Anti-contamination shielding

Standard specifications	
Alloy	1N30, 1235
Surface	Double-sided gloss/one-sided gloss
Foil thickness	12μm, 15μm, 20μm
Processing width	Min 300mm to Max 780mm (From FY2020: up to 1,200 mm)
Coating surface	One side/both sides
Coating pattern	Entire surface/stripes/intermittent pattern (Adjustable double-sided coating position)
Product length	500m to 10,000m
Other	Non-standard specifications also available