



Conductive carbon coated copper foil is a trending substrate/current collector in battery R&D and industries. Conductive carbon coated copper foil can be used as an anode material in lithium ion batteries. Cooling fin and the heat diffusion film, electronic equipment cooling, Other application need to heat or Conductive, e.g.: LED light, CPU, GPU, IC, PC...etc. The Conductive carbon coated copper foil has several advantages.

# CONDUCTIVE CARBON COATED COPPER FOIL

**NS6130-12-000332**

## Quick Facts:

|                     |   |                                         |
|---------------------|---|-----------------------------------------|
| Product             | : | Conductive Carbon Coated Copper Foil    |
| Stock No            | : | NS6130-12-000332                        |
| CAS                 | : | 7440-50-8                               |
| Purity              | : | >99.99%                                 |
| Size                | : | 100×100mm (as per customer requirement) |
| Thickness           | : | 9μm (as per customer requirement)       |
| Density             | : | 0.54g/m <sup>2</sup>                    |
| Surface Resistivity | : | < 30 Ohms per 25um <sup>2</sup>         |
| Double Side Coating | : | 1-micron thickness each side            |
| Form                | : | Solid                                   |

## Application

- ✓ Improved electrical conductivity and less internal resistance
- ✓ Improve the consistency
- ✓ Good electrical insulation properties
- ✓ Improved adhesion at active layer/current collector interface
- ✓ Inhibition of cell polarization and short circuit caused by dendrite growth
- ✓ Prevent substrate corrosion caused by electrolyte
- ✓ Improved mechanical strength and toughness to avoid short circuit caused by dendrite growth



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 | www.nanoshel.com | sales@nanoshel.com



### INTELLIGENT MATERIALS PVT LTD

Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

### NANOSHEL UK LIMITED

Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

### NANOSHEL LLC

3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911