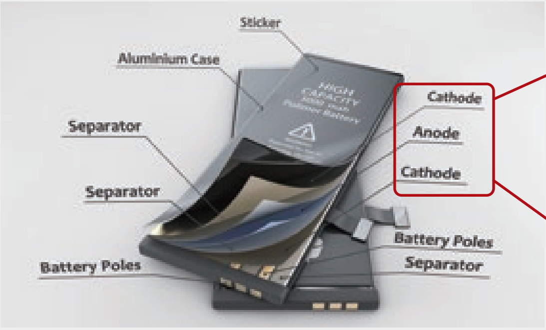
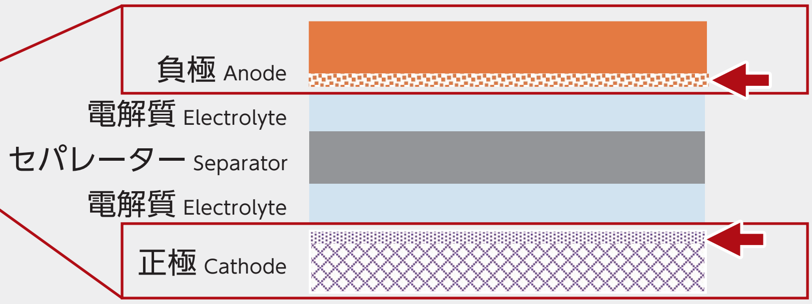
オクノの表面改質技術

Okuno's surface modification technology

表面積を拡大する表面処理技術
Surface treatment technology to increase surface area

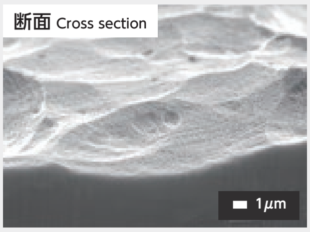


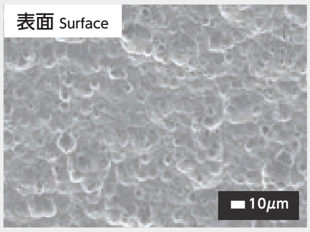


アルミニウム用エッチング剤 Etching agent for aluminum

トップグリーナルサテン200 TOP GREENAL SATIN 200

- **フッ化物フリーのエッチング剤**
  Fluoride-free etching agent
- **アルミニウム表面に梨地状の凹凸を付与**
  Satin-like irregularities on aluminum surface

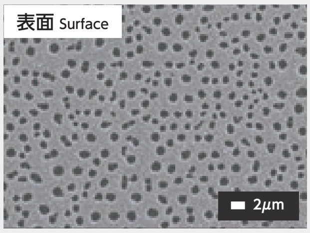




多孔質ニッケルめっき皮膜 Porous nickel plating film

トップポーラスニッケルFP TOP POROUS NICKEL FP

- **素材上に貫通形状の多孔質ニッケルめっき皮膜を形成**
  Porous nickel-plating film with through hole like ultra-micro pores
- **条件変化により孔数の調整も可能**
  Number of holes can be adjusted by treatment condition



粒状銅めっき皮膜 Granular copper plating film

トップラフネスカッパー TOP ROUGHNESS COPPER

- **PRパルス電解法により表面積率の高い銅めっき皮膜を形成**
  Copper particle with high surface area ratio formed by PR pulse electrolysis method