

鉛フリー黒色無電解ニッケルめっき液

# ニコブラックMT-LFT

Lead-free, Black-color Electroless Nickel Plating Process

## NICOBBLACK MT-LFT

- 黒色化処理(ニコブラックBL)によって、黒味の強い外観が得られる
  - 皮膜厚さが均一で、複雑な形状の部品やパイプ内面にも均一な処理ができる
  - 析出防止電源が使用可能で浴安定性に優れる
  - 鉛を使用していないため、ELV、RoHS指令などの環境規制に適合
- Coal-black tones come available by blackening treatment with NICOBBLACK BL
  - Uniform film thickness • Can deposit uniformly on complex-shape substrates or at the inside of pipes
  - Can use deposition preventing instrument • Show high bath stability
  - Lead-free product, conform to End-of Life Vehicles-, RoHS Directive, other environmental regulations

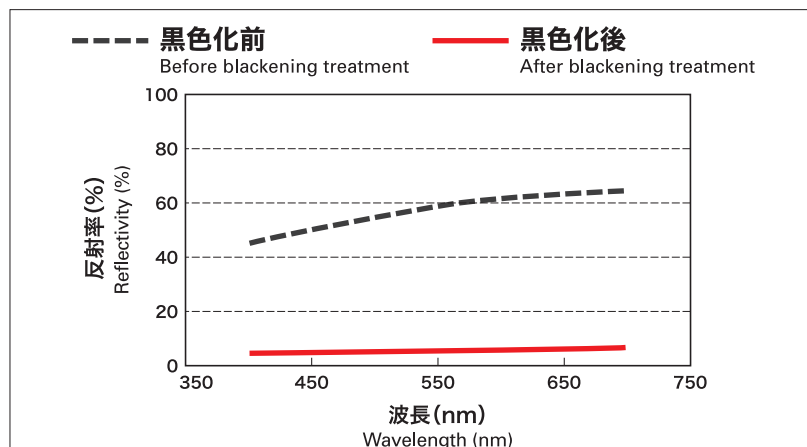
### 高い黒色度

Coal and rich black tones



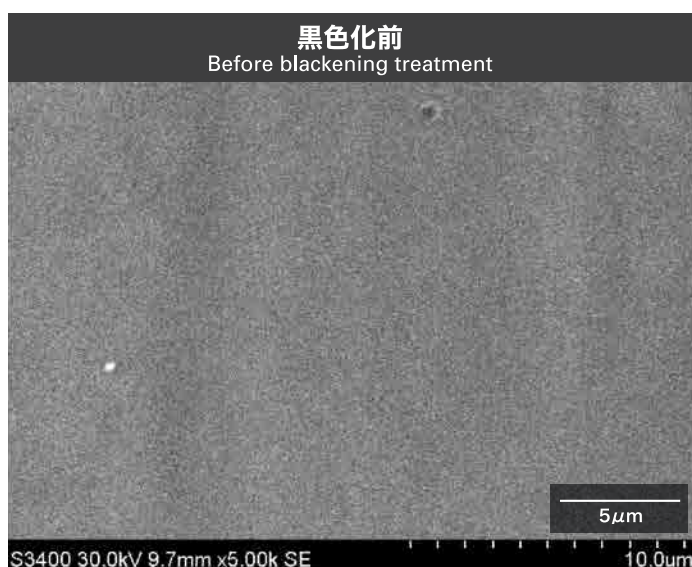
### 低い反射率

Low reflectivity



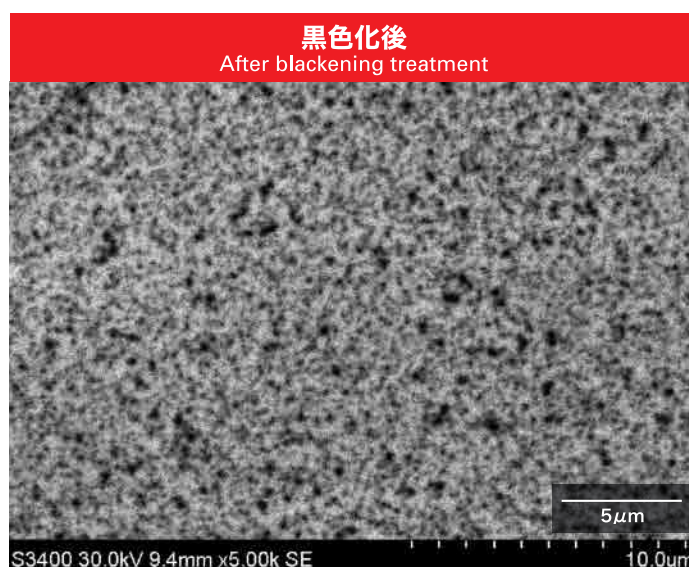
### ニッケル酸化物と微小凹凸を形成した皮膜

Deposits contain oxidized nickel, have finely-etched appearance



表面分析値  
Film surface composition

Ni	94.9wt%
P	5.1wt%



表面分析値  
Film surface composition

Ni	67.7wt%
P	11.7wt%
O	20.6wt%