

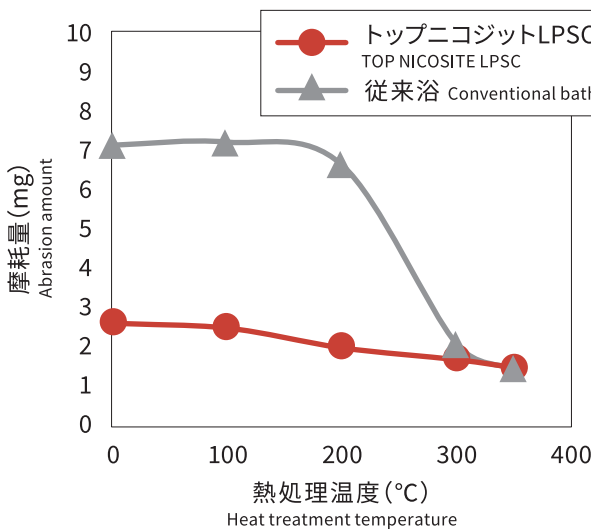
トップニコジットLPSC

TOP NICOSITE LPSC

無電解ニッケル/炭化ケイ素複合めっき液
Silicon Carbide Composite Electroless Nickel Plating Solution

- 低リンタイプ(1~3wt%)の高硬度皮膜が得られる
Excellent in film hardness (Low phosphorus type, phosphorus content 1 to 3 % by weight)
- SiCが均一に共析し、耐摩耗性に優れる
SiC co-deposits uniformly Excellent in abrasion resistance
- ピストン・ローラー・シリンダーなどの摺動部品に最適
For sliding parts (piston, roller, cylinder)

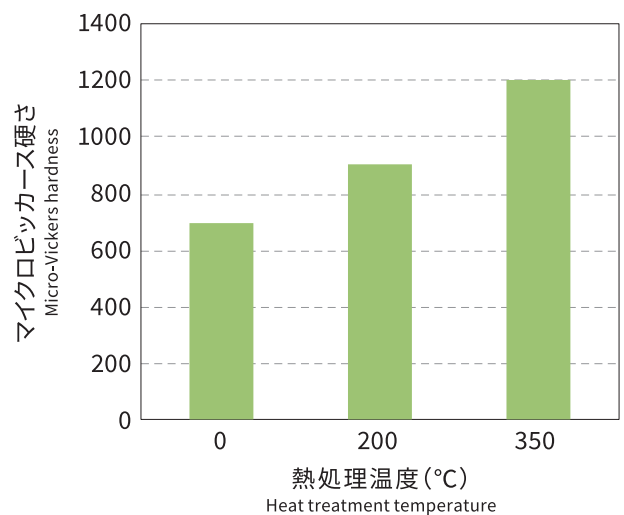
優れた耐摩耗性 High abrasion resistance



熱処理温度と耐摩耗性の関係

Relationship of heat treatment temperature and abrasion amount

使用機器: スガ摩耗試験機 (NUS-ISO-3), スガ試験機(株)製
Instrument: Suga abrasion tester, (Suga Test Instruments Co., Ltd.)
荷重 Load: 14.7N (1.5kgf) #600
往復回数 Reciprocation time: 300回
times

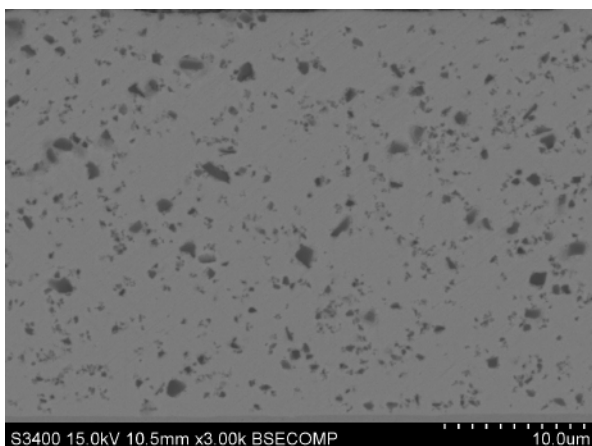


熱処理温度と硬度の関係

Relationship of heat treatment temperature and hardness

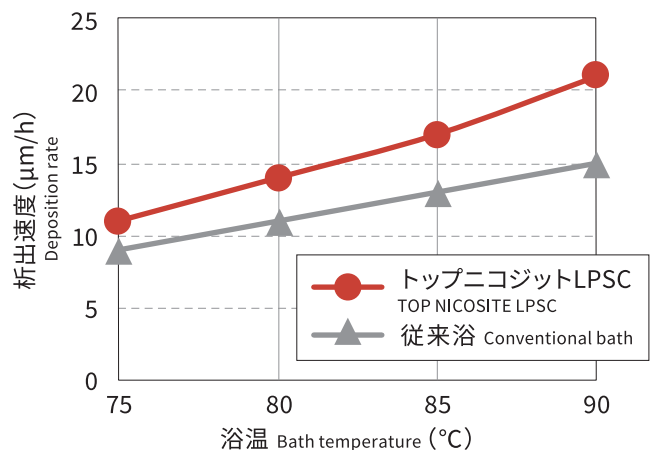
**析出皮膜はHv700で、熱処理により
Hv1000以上の硬度が得られる**
Hv 700 (as deposited),
over Hv 1000 (after heat treatment)

均一な共析性 Uniform co-deposition



めっき皮膜の断面SEM写真
SEM image (cross-section)

良好な析出性 High deposition performance



浴温と析出速度の関係

Relationship of bath temperature and deposition rate