

# トップニコジットLPSC

TOP NICOSITE LPSC

## 炭化ケイ素複合無電解ニッケルめっき液

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 P type, P 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 wear resistance
- ピストン・ローラー・シリンダーなどの摺動部品に  
For sliding parts (piston, roller, cylinder)

### 従来浴と同等の均一な共析性

Uniform co-deposition

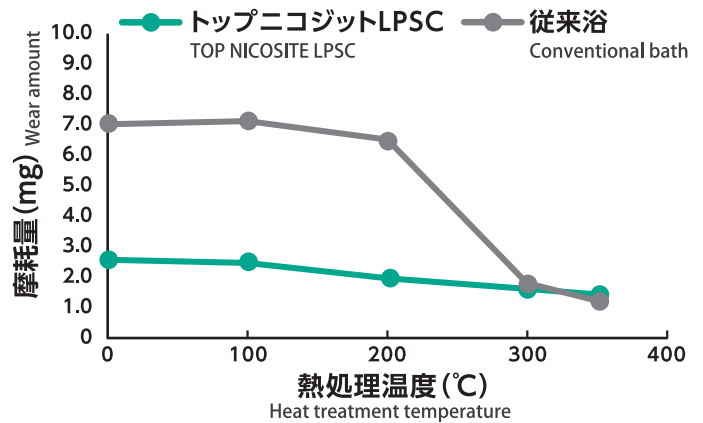


### めっき皮膜の断面SEM写真

Cross-sectional image of plated film

### 優れた耐摩耗性

High wear resistance



使用機器 Instrument

スガ摩耗試験機 (NUS-ISO-3)、スガ試験機(株)製  
Suga abrasion tester Suga Test Instruments Co.,Ltd.

荷重 Load

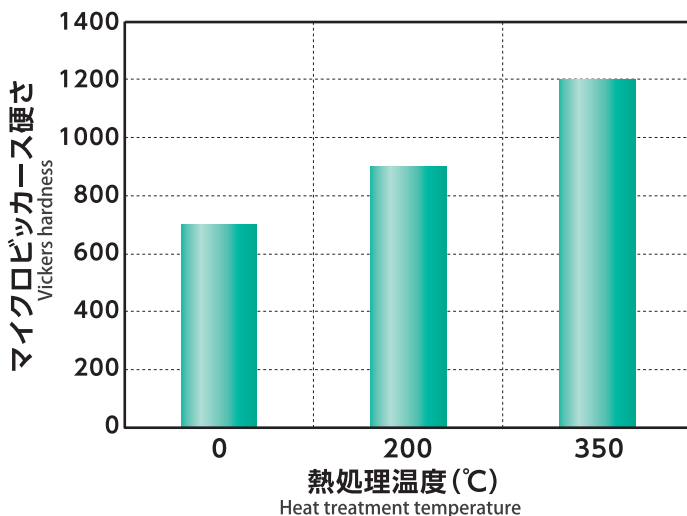
14.7N (1.5kgf) #600

往復回数 Reciprocation time

300回 times

### 析出時Hv700、熱処理後Hv1000以上

Hv 700 (as deposited), over Hv 1000 (after heat treatment)

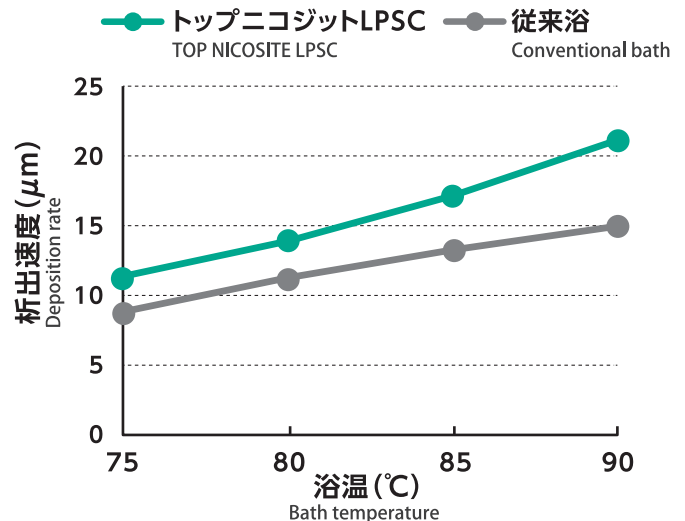


### 熱処理温度と硬度の関係

Relationship of heat treatment temperature and hardness

### 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