

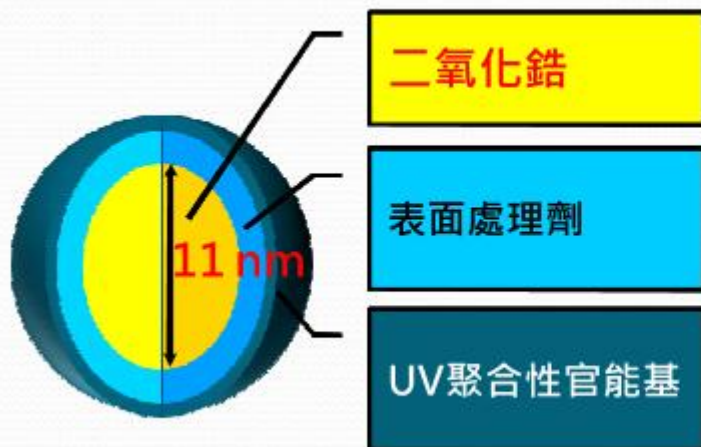
Product	Viscosity (cps)	Resist Solid Content (%)	RI	Dev. time (sec)	THK (μm)	Hardness (@500g)	CD 10μm (μm)	ZrO2 in Solid (%)
081N	12.0	40	1.65	100	3.27	3H	10.34	70

Process Parameter	
THK	Control at 3.7~3.9μm@350rpm before Post-bake
Pre-bake	100°C*2.5min, directly
Power	80mJ/ cm ² & Gap=0μm @25mW
Dev.	100 sec in 1:99 SEDR-1/ 0.15MPa & 25 °C
Rinse	20sec/ 0.15MPa & 25 °C
HPMJ	10sec/ 0.4MPa & 25 °C
Post-bake	150 °C*30min clean oven

Product	Condition
	After 150°C*30min_Wiped By PGMEA*30times
081N	10μm

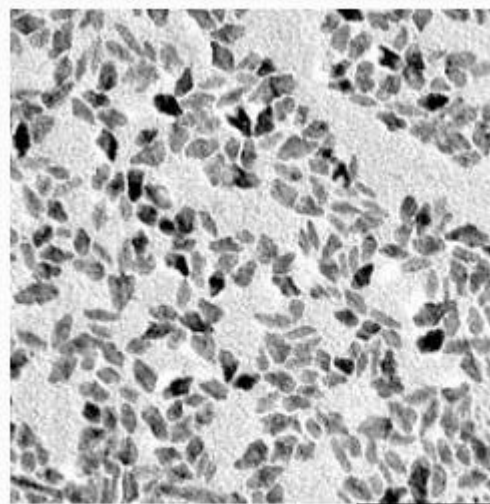
Product	Heat Transfer Coefficient (W/ mK)
Acrylic POC	0.17~0.25
ZrO2	1.8~3.0
70% ZrO2 POC(081N)	1.26~2.1

賦予高折射材料二氧化鋯功能性！



二氧化鋯奈米粒子示意圖

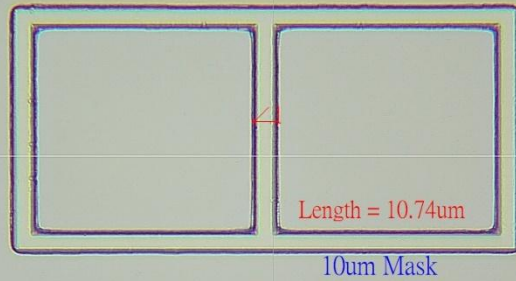
- 1 · 奈米級的粒子徑
- 2 · 粒子表面完全被表面處理劑覆蓋
- 3 · 在粒子表面導入UV聚合性官能基



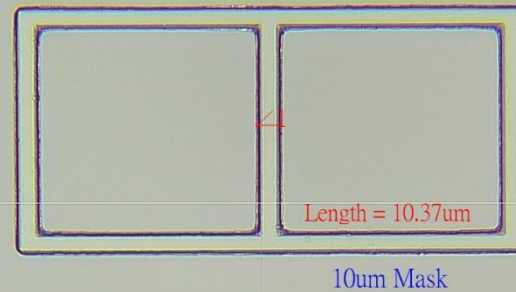
二氧化鋯奈米粒子在電子顯微鏡下的畫面

Pattern of SEOC-081N

Before Post-Bake



After Post-Bake



Spectrum of SEOC-081N

