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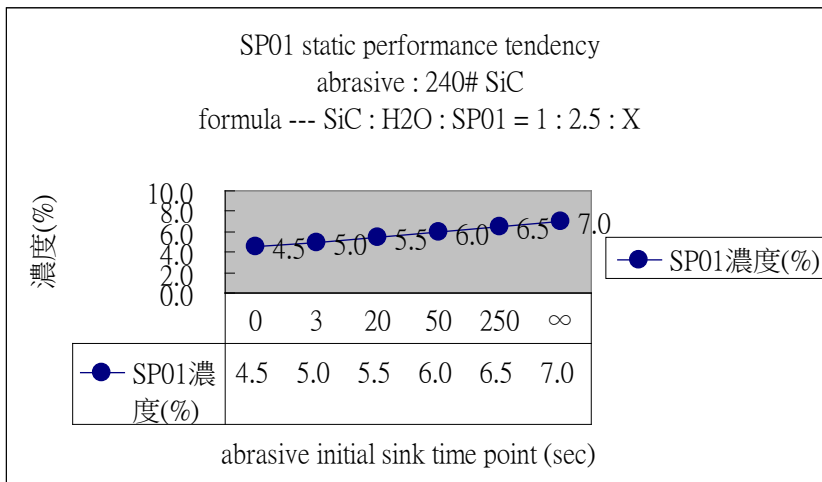
Free abrasive of processor could be good surface roughness and not more created qualitative change, Both Lapping and Polishing processor could thinned, finished surface.



UTSD-SP01 suspension lapping vehicle be formulated to free abrasive slurry that apply to processor of sapphires substrate and LED chip backside be thinned. First UTSD-SP-02 be dissolved in water then abrasive such as SiC, B4C, CBN, Diamond micro-powder, Al2O3, Silica, FO and so on, slowly placed upside down and to agitate so that will be on line device to work. The other applications of free abrasive what do include silicon wafer, optical glass, quartz substrate, ceramic or metal substrate industries.

UTSD-SP01 Abrasive Suspension Agent property :

1. appearance : light amber color
2. stability : stable color
3. pH(@1% in water) : 7.0 ~ 7.5
4. specific gravity : 1.00±0.02
5. flash point : >100°C
6. water base : easily dissolved in water
7. lower dynamic viscosity : slurries are stable suspension/dispersion to be good resistant shear
8. good suspension : abrasive not be aggregated again, improved TTV and Ra value
9. competed under equal conditions : reduced to use dosage
10. formula : rinsed easily; will not leave films or residues; biodegradable materials; inhibited plate corrosion



Package : 30L/200L/PP Tank



**日將事業有限公司**  
UNITETEK INTERNATIONAL CO., LTD.

**磨料懸浮分散劑**  
**Suspension Lapping Vehicle**  
**(Abrasive Suspension Agent)**

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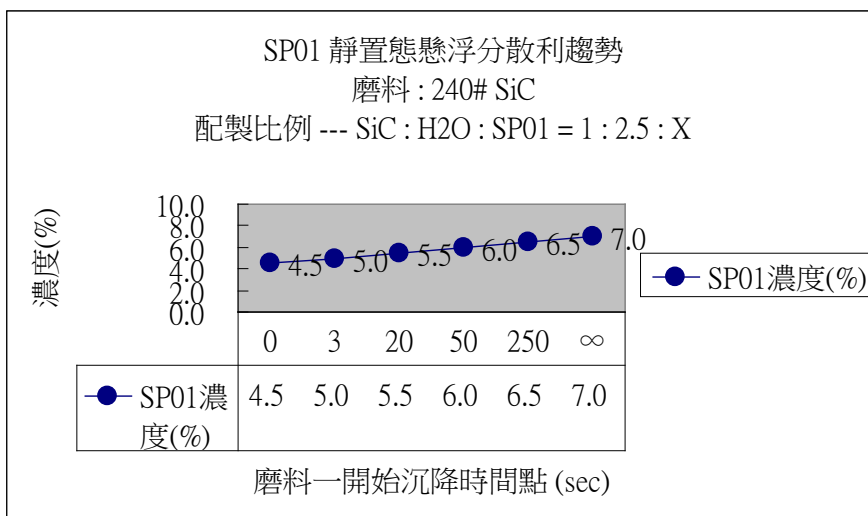
游離磨料(Free Abrasive)的加工方式可以得到較小的表面粗糙度與較無質變層，有研磨(Lapping)與拋光(Polishing)兩道製程，達到減薄、細致光亮表面層。



UTSD-SP01 磨料懸浮分散劑應用於藍寶石基板與 LED 晶片背部減薄之游離研磨漿的配製，將 UTSD-SP02 溶於水中，然後如磨料碳化矽(SiC)、碳化硼(B4C)、立方氮化硼(CBN)、鑽石微粉、氧化鋁(Al2O3)、FO 等粉體緩緩加入，攪拌均勻即可上線使用。其他應用產業如矽晶圓、光學玻璃、陶瓷基板或金屬基板的游離研磨拋光應用。

UTSD-SP01 磨料懸浮分散劑特性：

1. 外觀：淡琥珀色
2. 耐候性：穩定不變色
3. pH 值(@1%水)：8.0 ~ 9.0
4. 比重：1.00±0.02
5. 閃火點：> 100°C
6. 水溶性，易溶於水
7. 動態性黏度低，具有非常穩定的分散力與懸浮力，故能耐剪切力
8. 良好分散性使磨料不再團聚，改善 TTV 與 Ra 值
9. 同等條件下比較，使用添加量少
10. 好清洗不殘留污染物；不腐蝕磨盤；生物可分解性材料



包裝: 30 公升/200 公升/塑膠桶