Solvent-Based Clevios™

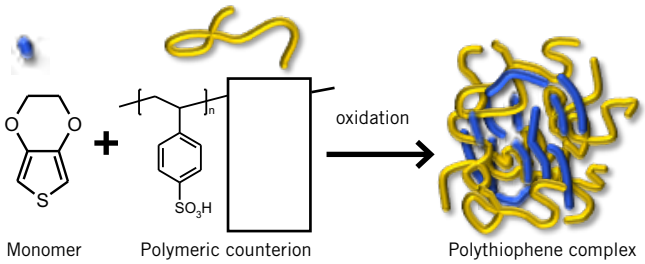


Polythiophene
(RD Clevios™ P SB 12)
dispersed in anisole/butanol

溶剤系に対応するため非水溶性の導電ポリマーを設計

ヘレウス Epurioより新しいポリチオフェン系の導電ポリマーを開発

- 非水溶性、無水の導電性ポリマー
- 少ない添加量で帯電防止/散逸の効果 (< 10 E9 Ohm/sq)
- ポリアクリレートなど様々な樹脂系との相溶性に優れている

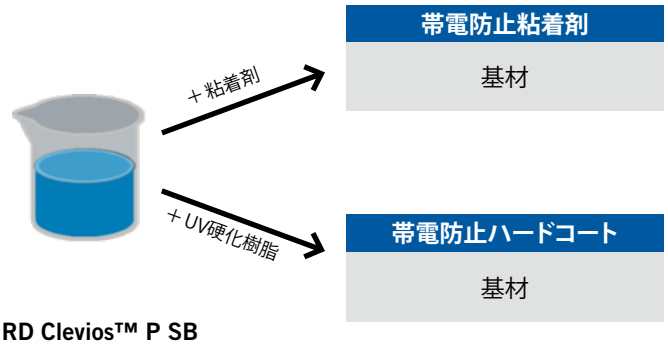


溶剤との相溶性	RD Clevios™ P SB 6	RD Clevios™ P SB 12
Typical sheet resistance (Ohm/sq) of undiluted polythiophene	1 x 10^4	2 x 10^5
PGME	No	Yes
MEK	No	Yes
Butylbenzoate	Yes	Yes
Isopropanol	No	Yes
PGMEA	Yes	Yes
Ethanol	No	Yes
Toluene	Yes	Yes
Butylacetate	Yes	Yes
Ethylacetate	No	Yes

Solvent compatibility of water-free polythiophene dispersions

Solvent-Based Clevios™ Formulations

Antistatic properties of solvent-borne hard coat and adhesive formulation



RD Clevios™ P SB

< 10^9 Ohm/sq

- 導電性
- 高透明性

新しい溶剤系Clevios™ は粘着剤やハードコートの処方に帯電防止機能を付加させることが可能です。

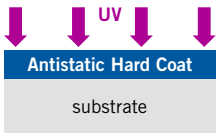
Heraeus

Epurio

溶剤系 RD Clevios™ の用途

帯電防止UV硬化ハードコート

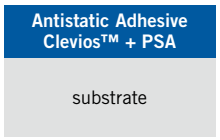
溶剤系 RD Clevios™ P SB はディスプレイ保護フィルム、スマートフォン、自動車ディスプレイなどに実績があります。

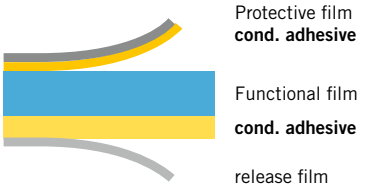




透明導電粘着剤 (PSA)

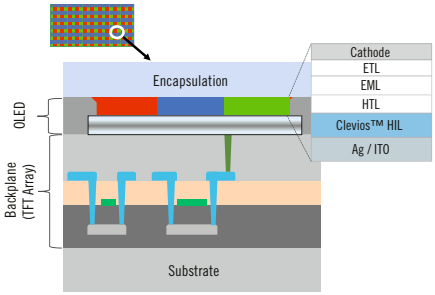
溶剤系 RD Clevios™ P SB は高導電のため、フッ素フリーのPSAやイオン液体の代替としてご使用になるには理想的な材料となります

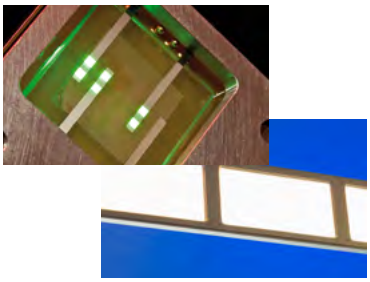




プリンテッドOLEDs

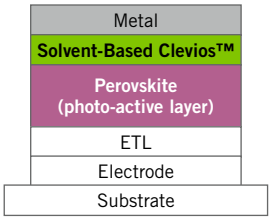
RD Clevios™ HIL Jet 8 はインクジェットでOLEDの正孔注入層Iに最適化した溶剤系PEDOT分散液





ペロブスカイト太陽電池

Solvent-based Clevios™ HTL Solar 3 and 4はホール注入層に最適化されており、ペロブスカイト層に直接コートすることが可能です。





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Clevios™