

Product Description

PGrid-100 is a highly conductive, high visual transmittance printed transparent conductive film (TCF) comprised of printed lines on PET substrate. The printed lines can be directly printed in a variety of geometrical configurations. This printed product can be combined with other commercially available conductive organic or inorganic coatings to produce a cost effective, isotropically conductive substrate that will serve as a base for electronic devices such as flexible lighting and OPV.

Key Benefits

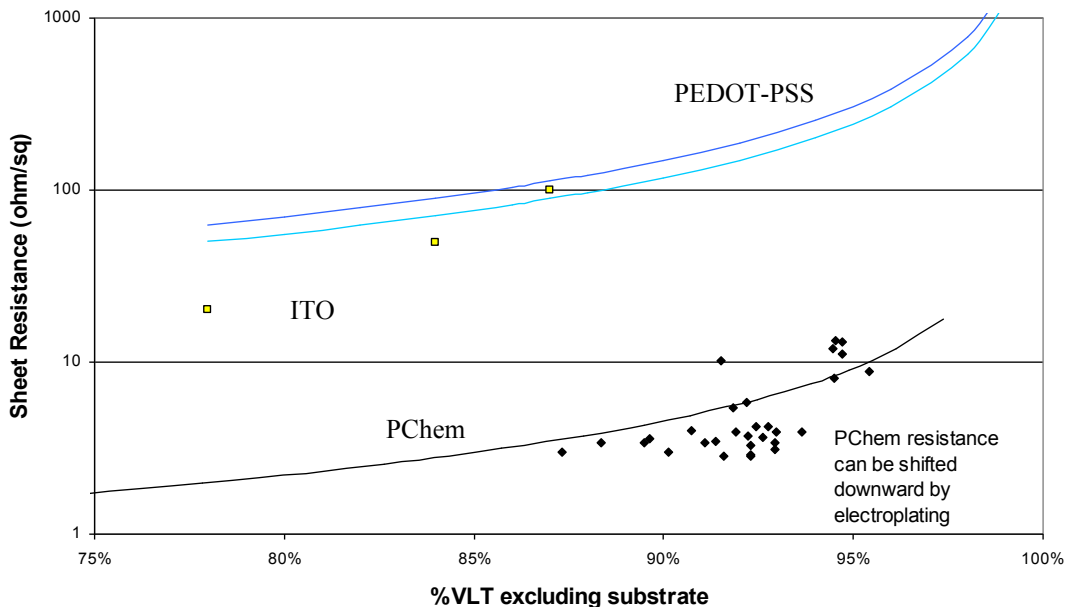
- High conductivity, highly transparent flexible TCF
- Low cost, mechanically robust patterned conductive structure
- Wide format, production length capability

Physical Properties (Typical)

| | |
|-----------------------------|--------------------------------|
| % Visual Light Transmission | 70 – 96 % (excludes substrate) |
| Sheet Resistance | 1 Ω/sq – 100 Ω/sq |
| Coverage | 4% - 30% |
| Printed Width | to 25" |
| Shelf Life | > 12 months |

Typical Results

- 25 μm wide lines, 500 μm spacing – 2.5 Ω/sq, 86% VLT (excludes substrate)



Please contact PChem Associates for detailed application information or assistance.