



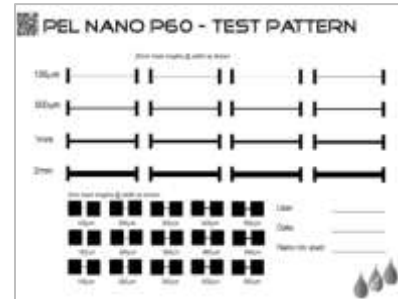
PEL NANO P60

Electronic Grade Paper

Short description

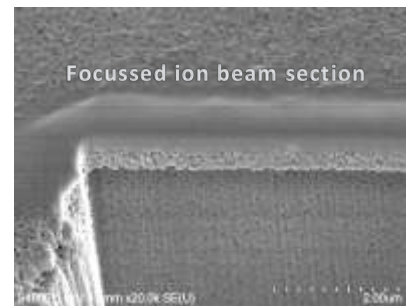
A research-grade, electronic-rated paper. Designed to complement the range of substrates available for the development of printed electronics, PEL have released a non-organic coated paper for use with nanoparticulate inkjet inks.

The inorganic coating on the top side of the paper has a pore size of 60nm that absorbs solvents and dispersion agents thereby concentrating the nanoparticles and enhancing low temperature sintering.



Thermal Curing/Sintering:

NanoP60 can be heated to 150°C with minimal discolouration and, for short periods, can be used at higher temperatures: sintering has been demonstrated with a wide variety of nano inks within a few seconds on PEL NanoP60.

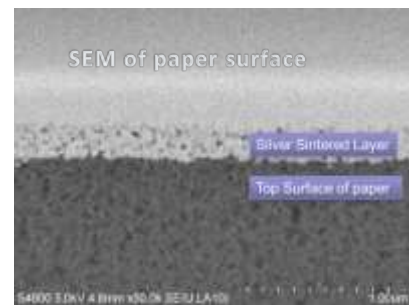


Photonic Curing:

The paper ink combinations work well with pulsed Xe flash using NovaCentrix's PulseForge and Xenon Corporation's Sinteron systems.

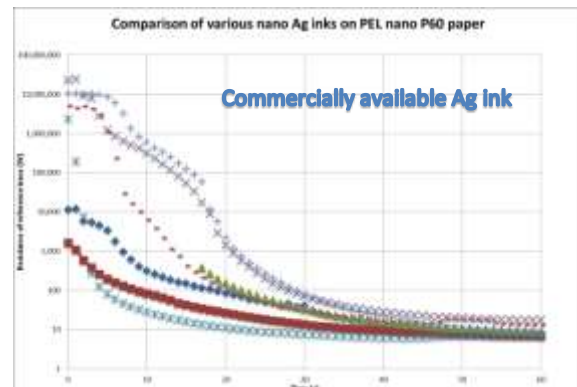
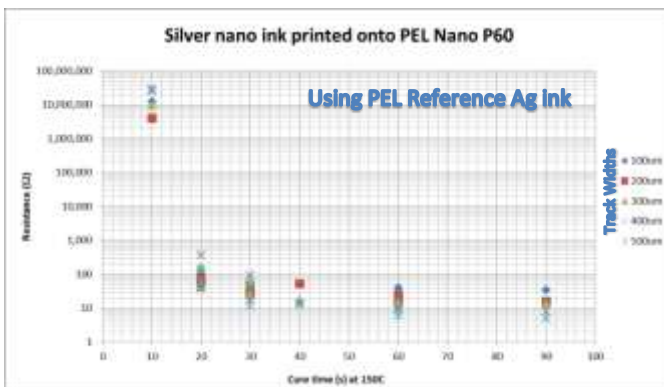
Data

All data is provided for information only and is not a guarantee of performance or a warranty. PEL recommend testing the Nano P60 paper using your nano particulate inks.



Summary

With many commercial inks full cure is achieved in less than one minute at 120°C to 150°C.



info@printedelectronics.com