



### Nano-printed conductive mesh for windows EMI shielding / protection

The second generation of this material kind. As displays continue to evolve in size and definition, the new generation of NPM-2 offers the combination of higher light transmission and shielding effectiveness that is not achievable with ITO coatings.

	NPM-2	NPM
Light pitch spacing	300 $\mu\text{m}$ / 85 opi	300 $\mu\text{m}$ / 85 opi
Average line width	8 $\mu\text{m}$	25 $\mu\text{m}$
Open area	95%	83%
Surface resistance	$\leq 0.25 \Omega/\text{sq}$	$\leq 0.25 \Omega/\text{sq}$

At NPM-2 visibility (brightness and readability) of display window was improved.

Also legibility in sun lighting was increased in comparison to the material consisting of copper mesh built-in transparent material layer (glass or plastic).

### NPM & ITO Glass - EMI Shielding Attenuation

