

CLEVIOS™ ANTISTATIC AND CONDUCTIVE GLASS COATINGS



Perfect | Optics | Protection

Clevios™ Antistatic and Conductive Glass Coatings for Shielding Applications

Clevios™ conductive polymers, known for their transparent conductive and flexible properties on plastic substrates are now available with hard, glass-like properties.

Applicable by economic wet-coating processes, Clevios™ formulations offer coatings with high pencil hardness of 6-8H and 5B adhesion on glass after only 5 minutes thermal curing at 120 °C.

Product	Application	Sheet resistance	Transmission*)
Clevios™ F EHO	Antistatic	1E7 – 9E10 Ohm/sq	98 – 99%
Clevios™ F ELO	Conductive	400 – 1500 Ohm/sq	95 – 99%

Typical properties, no specifications

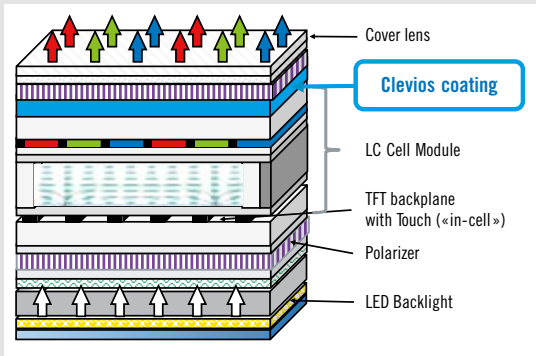
*) transmission without glass

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Both products are ready to use formulations optimized to achieve coatings with maximum transmission, highest clarity, neutral color, and low light reflections.

The Clevios™ layers are not only scratch resistant but also highly stable and durable in damp- and dry-heat (85 °C/85 %rh; 80 °C), as well as temperature cycle tests.

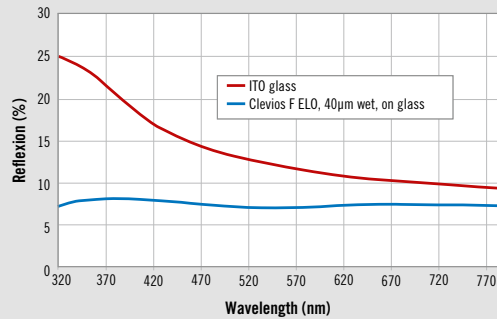
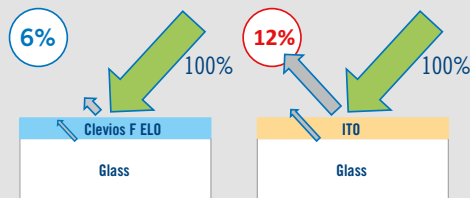
Example: Clevios™ coatings in IPS LCD panels



Clevios™ properties

Antistatic: Tunable SR 1E + 07 – 9E + 10 Ω/□	Economic wet-coating
Conductive: Tunable SR 400 – 1500 Ω/□	Fast Dry, ≥ 5 min, High Throughput
High Transmission 95 – 100%	8H – 6H Pencil Hardness
Low Reflexion Low Refractive Index	Neutral color, a* , b* ≈ 0
Low Haze < 0,2%	Excellent Reliability at 60/90 and 85/85

Clevios™ has good index matching with glass and low light reflection



Applications for Clevios™ F EHO/ELO include EMI shielding for IPS and in-cell touch LCD.

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