Delivering new levels of identity protection

PPG TESLIN® RF shielding material for passport e-Covers and e-Datapages

Augmented e-Passport security at minimal cost

With identity theft on the rise and the need for stronger identity and credential security in general, travelers want their electronic passports (e-Passports) to deliver the highest possible levels of protection against unauthorized access to their personal data.

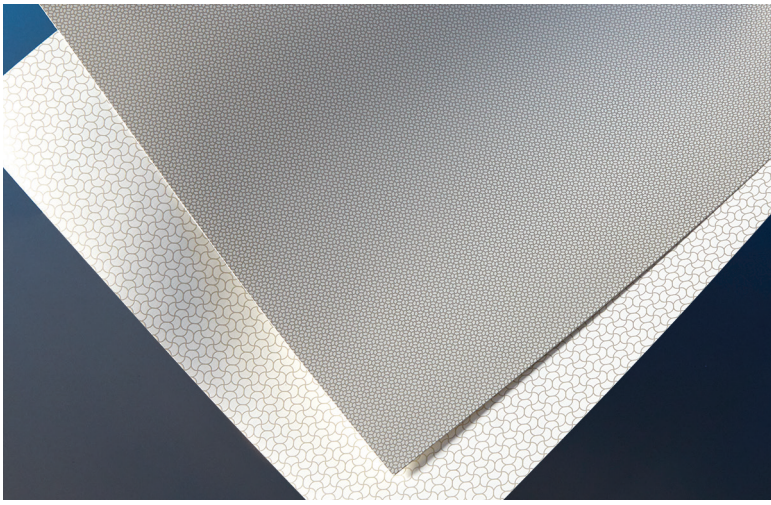
PPG TESLIN® RF shielding material helps issuing authorities and systems integrators meet the needs of e-Passport holders and win the continuing battle against identity fraud. Delivering effective RF signal blocking and detuning functionality, this innovative material enables increased document security by adding a complementary physical layer of security to protect travelers' personal data—when passport books are closed or even slightly opened.

PPG *Teslin* substrate is used by more than 80 national passport programs and has been trusted for nearly two decades to secure and protect embedded electronics in passport inlays and e-Covers. Our advanced RF shielding solution offers the same flexibility, bonding strength and built-in tamper evidence as PPG *Teslin* substrate, allowing governments and passport designers to seamlessly add another layer of protection against unauthorized "skimming" with minimal increase to production cost.

Tailored to Your Needs

Designed with PPG conductive inks, PPG *Teslin* RF shielding material is customizable to meet specific requirements for shielding performance and production processes. Options for customization include different types of high-performance inks, shield pattern designs and shield layouts.

Available in multiple grades and thicknesses, PPG *Teslin* RF shielding material can be ordered in sheets, master rolls or slit rolls. It is compatible with most manufacturing



techniques and equipment, and can be folded, molded, glued, perforated and elongated without losing shielding effectiveness.

Benefits for e-Passport solutions

- Provides effective RF shielding to support ISO/IEC 14443
- Fits all e-Passport designs: e-Covers, e-Datapages and e-Middle Pages
- Customizable to meet specific shielding performance requirements
- Easy-to-implement at moderate extra costs
- Serves as drop-in component for e-Covers (no added layer)
- Delivers strong tamper-evident security
- Flexible and durable to exceed 10-year document service life

To learn more about customized performance options available for advanced e-passports with PPG *Teslin* RF shielding material, visit teslin.com/RFshielding.

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