

Delivering new levels of identity protection



PPG TESLIN® RF shielding material for biometric
passports with e-Covers and e-Datapages



Increase e-Passport security without adding significant cost

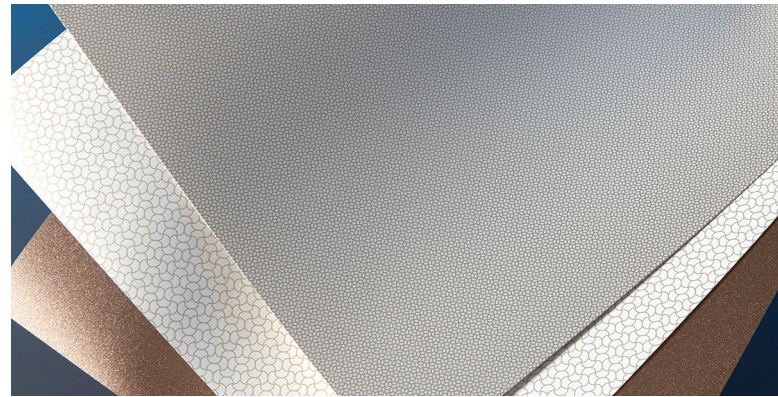
With identity theft on the rise and the need for greater identity and credential security in general, travelers want their electronic passports (e-Passports) to deliver the highest possible levels of protection against unauthorized access to personal data.

PPG can help issuing authorities and systems integrators increase security and fight document fraud with PPG TESLIN® RF shielding material, a flexible, moldable and affordable solution that can be customized to provide specific shielding functionality and performance.

As a critical component in e-Passports for nearly 15 years, PPG *Teslin* substrate is used by more than 75 national passport programs to secure and protect embedded electronics in passport inlays and e-Covers. Offering the same flexibility, bonding strength and built-in tamper evidence as *Teslin* substrate, the advanced RF shielding solution protects against fraudulent access to travelers' personal data.

By adopting *Teslin* RF shielding material, governments and passport designers can create documents that offer an added layer of protection against data skimming with a minimal increase to production cost.

Coated with PPG conductive inks, *Teslin* RF shielding material can be customized to meet specific requirements for shielding performance. Ink coverage options include solid-fill and grid-pattern designs. Customers also have the flexibility to specify fully or partially coated products, enabling conductive inks to be applied in precise locations. The material also can be folded, molded, glued, perforated and elongated without losing shielding effectiveness.



Available in multiple grades and thicknesses, *Teslin* RF shielding material can be ordered in sheets, master rolls or slit rolls. It is compatible with most finishing techniques, including folding, molding, perforating, stitching and gluing.

Benefits for e-Passport solutions

- Fits all form factors: e-Covers, e-Datapages and e-Middle Pages
- Customizable to meet specific shielding performance requirements
- Delivers strong tamper-evident security
- Flexible and durable to exceed 10-year document service life
- Easy-to-implement without adding significant costs
- Serves as drop-in component for e-Covers (no added layer)

To learn how PPG *Teslin* RF shielding material can create a new level of security for advanced e-passports with minimal investment, visit teslin.com/RFshielding.

