

From one generation of e-Passports to the next, PPG TESLIN® substrate delivers a legacy of proven security solutions



PPG TESLIN® substrate for electronic passport e-Covers



When it comes e-passport design, one solution has already cleared security

As global travel increases, the demand for secure, counterfeit-proof electronic passports (e-Passports) is more critical than ever. That's why 80 percent of the world's governments make PPG TESLIN® substrate an integral part of their e-Passport designs.

For more than a decade, *Teslin* substrate has been the proven choice for e-Passport e-Covers and inlays, due to its ability to exceed passport durability requirements and provide unbreached document security at low material and processing costs.

Compare *Teslin* substrate to other commonly used e-Passport materials and you'll find it is the only one to provide this exclusive combination of performance, cost and lifecycle benefits:

Flexibility and durability

Unlike paper and rigid plastics, *Teslin* substrate cushions and protects electronic radio-frequency identification (RFID) electronic components from cracking, chipping and displacement. The flexibility and strength of *Teslin* substrate enables e-Passports to outlast the 10-year document lifespan most countries require.

Tamper-evident security

E-Covers made with *Teslin* substrate permanently distort and irreversibly break to immediately expose any document tampering. In fact, PPG has received no report of successful e-Cover breaches since *Teslin* substrate was adopted for e-Passport e-Covers more than a decade ago.



Optimal design security at a lower cost

As governments update their programs, several are evaluating designs that incorporate either polymeric data pages or electronic polymeric data pages (e-Datapages). While polymeric data-pages do offer some benefits, there is substantial evidence that they do not eliminate document fraud, and, contrary to current marketing hype, moving electronics to a polymeric data page may not be a wise idea.

Conventional *Teslin* substrate e-Cover designs (with either a paper or polymeric data page) allow sensitive data to be located in separate passport components. E-Datapages, however, contain data within a single location, which then becomes the sole focus for fraudulent attacks.

With costs that are considerably higher than an e-Cover option, polymeric e-Data pages require greater financial investment. Furthermore, unlike PC e-Datapages, *Teslin* substrate e-Cover solutions are widely available from a variety of suppliers. This allows governments to retain a higher level of control over the production and supply of their e-Passports.

Visit www.teslin.com to learn why *Teslin* substrate remains a proven choice for the world's most sophisticated e-Passport designs.