Polycarbonate Bio-Data Page Solution

The Next Generation of Identity Management Solutions

Visuals and schematics

Page layer structure

The De La Rue polycarbonate bio-data page solution consists of a number individual layers fused together under immense pressure and heat to create a secure structure that can not be delaminated. These layers can incorporate protective and tactile properties, holder personalisation, lithography, OVIs and DOVIDs, multiple security features, construction hinge and an embedded RFID chip.

The illustration shown above shows an example construction only. Final structure will be dependent on and bespoke to customer needs.

Polycarbonate Bio-Data Page Solution

Advanced bio-data page solution ensuring multi-layered protection against the threat of counterfeit and fraud

Classification
Bio-data page solution

Security Level

Levels 1, 2 and 3
depending on selected features

Security benefits and threats countered
Easy to verify protective solution with an amorphous structure, embedded security features and tamper evident characteristics that combine to safeguard the holder's personal details and make it virtually impossible to delaminate or counterfeit without obvious signs of attack.

The polycarbonate substrate solution also ensures a strong performance in terms of bio-data page longevity and durability.

Demonstrated by
A sophisticated range of security features are incorporated within and on to the surface of the polycarbonate substrate to protect the holder's data. Any attempts to access the inner layers and alter data will immediately damage these features making an attack obvious.

Integrated security
Design solution can incorporate up to 6 litho layers, UV and IR workings, rainbow effect, fine line drawings and guilloche patterns. These can be combined with see-through window features, optically variable inks and holograms. Tactile embossing can also be added to the upper surface layers further enhancing security and protection.

High definition personalisation; laser engraving produces very high quality definition image replication.

RFID chip can be embedded either within the polycarbonate bio-data page structure itself or within the document cover material.

A proven, robust and highly durable solution, fully compliant with the latest ICAO and ISO standards.

Usage
Suitable for Machine Readable Passports (MRPs) and ePassports. Substrate can also be used for ID and eID card solutions.

De La Rue is a leading provider of sophisticated products and services that keep nations, their economies and their populations secure. At the forefront of identity management and security, De La Rue is a trusted partner of governments, central banks and commercial organisations around the globe.

De La Rue is listed on the London Stock Exchange (LON: DLAR).

If you would like to find out more,
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or visit www.delarue.com