

## ***iLam*<sup>TM</sup> polycarbonate data page**

The construction of the *iLam*<sup>TM</sup> polycarbonate data page is:

- Rear 150µ white polycarbonate film
- Antenna screen printed on the PC layer
- Contactless chip module
- Elastomer core, which surrounds the contactless module to provide maximum protection and extends to form the hinge which is sewn into the passport booklet
- Front 150µ clear laser engraveable polycarbonate film

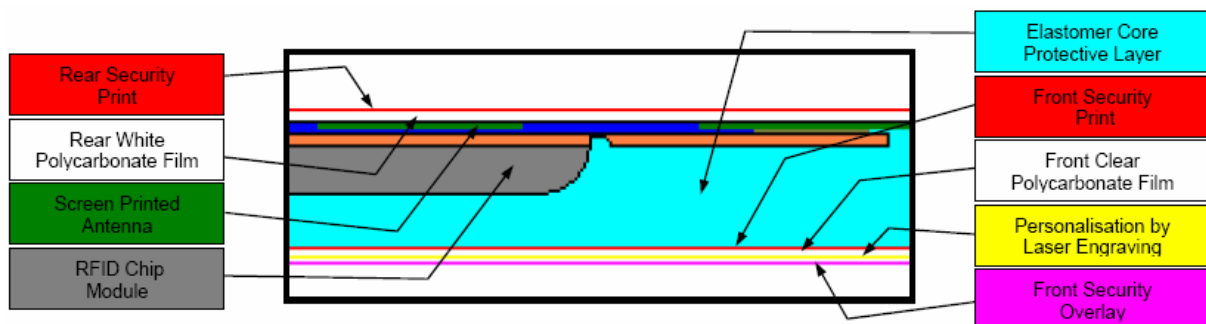
The total thickness of the data page is 850µ.

The outer polycarbonate material can be sourced directly by Brite iD or can be free issued by the passport printer. .

Subject to the use of suitable inks, the outer polycarbonate sheets can be printed on the inside, so that it is not possible to tamper with any of the security printing

### **Advantages:**

- The use of an elastomer core rather than polycarbonate reduces the material price
- The data page is more flexible, less brittle and has good solvent resistance
- The elastomer core is extended [at a lesser thickness] to provide a much more flexible and durable hinge than one made of polycarbonate. It is not necessary to attach an alternative paper or other plastic hinge to the outside of the polycarbonate, which is both unsightly and insecure compared to the *iLam*<sup>TM</sup> page
- The contactless chip is embedded more securely as it is fully surrounded by the elastomer material. In a standard polycarbonate data page, the chip usually fits in a hole in the inner layers, which could allow the chip to be dislodged and disconnected from the antenna in cases of severe vibration or knocking



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