**SAMPLE TESTING**

**Supporting documents to be forwarded to the selected Contractor by the Contracting Authority:**

* Layout for a production of the polycarbonate Prelaminate.
* Layout for a production of the [polyvinyl chloride](https://slovnik.seznam.cz/preklad/anglicky_cesky/polyvinyl%20chloride) Prelaminate.

(hereinafter stated as “**Supporting Documents**”)

The selected Contractor shall prove the fulfilment of the tender conditions by delivering a **sample of 20pcs PC Prelaminates with the chip modul Mifare Classic 1kB encapsulated MOA8, 20pcs PVC Prelaminates with the chip module EM4102 a 20pcs PVC Prelaminates with the chip module MifareDesfire EV2 8kB and satisfactory results given by testing methods below.**

The delivered Prelaminates will be processed according the production processes of the Contracting Authority for production of chip cards.

The production process includes in particular, bonding, lamination process and cutting on the production machine ofthe Contracting Authority.

For the production of cards will be used materials, commonly used for the production of plastic cardsby the Contracting Authority.

**Before the production process will Prelaminates be tested according following tests:**

1. The control of parameters given by technical specification (length, weight).
2. The control of the thickness (thickness of Prelaminate, thickness on module).

**After the production process will Prelaminates be tested according following tests:**

1. The simulation of wear and tear by the user. After inserting the polymer card in the card reader 4000x, the card shall be without cracking in the chip area.
2. The control test of a compatibility. After the lamination process shall not occur to delamination of the card given by ISO 7810.
3. The verification of a card flatness after the cutting process given by ISO 7810.
4. Dynamic bend stress method given by ISO 7810.
5. Torsion stress method given by ISO 7810.
6. The verification of a chip response after the production process.
7. The personalization test of the card. The verification of writing to the chip is possible.

The testing of Prelaminates will be approved if all delivered Prelaminates will pass the required tests successfully.

The time for performing the tests is maximally 4 weeks from the date of delivery of the samples.