


Car documents case and Credit cards case

 LazyHallie88

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Summary

Combination of PLA and TPU. Document box of size 90x120x5mm OR box for payment cards with dimensions 43,5x90x5mm

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[creditcard](#)

Update 1: added "edit_II" version which fixes minor bugs and adds more lugs for better overall case strength. I recommend printing this version of the files.

Update 2: Added "edit_II_creditcards" version for smaller cards up to 43.5 x 90mm

General information

- Print dimensions: 133 x 212.5 x 6.2mm
- Maximum document dimensions 90 x 120 x 5mm
- Print the first three layers from PLA, then change to TPU (slowing speed to 50%)

My print settings (print tested on P1P, X1C, V-Core)

- Nozzle 0,4
- Layer height 0,2
- Perimeters 2-3 (tested with both options)
- Fill 15%

Test prints made on a combination of materials

- PLA (Spectrum Glitter, Polymker PolyTerra)
- TPU (Polymaker PolyFlex TPU95, BambuLab TPU95)

**!!! Before printing, test the print tolerances (I created 3 options).
!!!**

Print file tolerances

- Car_documents_case_V1a - tolerance on the sides 2.5mm.
- Car_documents_case_V1b - tolerance on the sides 1.5mm.
- Car_documents_case_V1c - tolerance on the sides 1mm.

The print files named **EDIT** contain protrusions to better "snap" the two parts together.

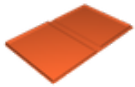
Model files



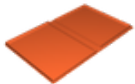


Original version

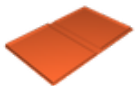
3 files



car_document_case_v1a.stl



car_document_case_v1b.stl

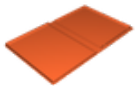


car_document_case_v1c.stl

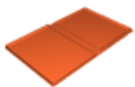


Edit version I - with snap

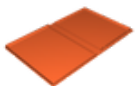
3 files



car_document_case_v1a_edit.stl



car_document_case_v1b_edit.stl

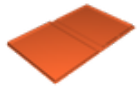


car_document_case_v1c_edit.stl

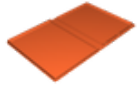


Edit version II - with snap

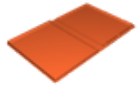
3 files



car_document_case_v1a_edit_ii.stl



car_document_case_v1b_edit_ii.stl

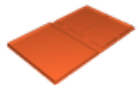


car_document_case_v1c_edit_ii.stl

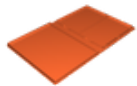


Edit version II creditcards - with snap

3 files



car_document_case_v1a_edit_ii_creditcards.stl



car_document_case_v1b_edit_ii_creditcards.stl



car_document_case_v1c_edit_ii_creditcards.stl

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