

DURABLES

RFID / NFC protection



# SAFETY FIRST

In recent years transmission technologies have developed and are largely established on the contact-free transmission of personal data via RFID (Radio frequency identification) or NFC (Near-field communication). Data is transmitted and stored to a transponder, which can be read using a reader. Protective products offer protection against unauthorised reading or manipulation.

The resonance circuit of the transponder is clearly shielded by the compound material, which reduces the reading range from a few centimetres to a few millimetres and distorting the frequency so much that no data transmission is possible.

- Special benefits:**

  - > Perfect protection of data due to a shield core
  - > Test at wavelengths from 13.56 MHz have proven that the RFID chips could not be read
  - > Good flatness and high tear resistance
  - > Universal printability



|        | Sort                                      | Weight<br>gsm | Thickness<br>µm | Application   |
|--------|---|---------------|-----------------|---|
| ENDURO | 6821 – ENDURO Effect 155 RFID shield      | 160           | 145             | <ul style="list-style-type: none"><li>&gt; Protective covers for credit cards, ID cards and passes</li><li>&gt; Covers for entrance / access cards</li><li>&gt; Envelopes, postage packaging and folding bags</li></ul> |
|        | 6918 – ENDURO Effect 245 Metal detectable | 240           | 235             | <ul style="list-style-type: none"><li>&gt; Protective covers for credit cards, ID cards and passes</li><li>&gt; Covers for entrance / access cards</li><li>&gt; Envelopes, postage packaging and folding bags</li></ul> |

All values are average values.



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