

## Case Study

### SIM card holder made from Pocan<sup>®</sup> B 4235

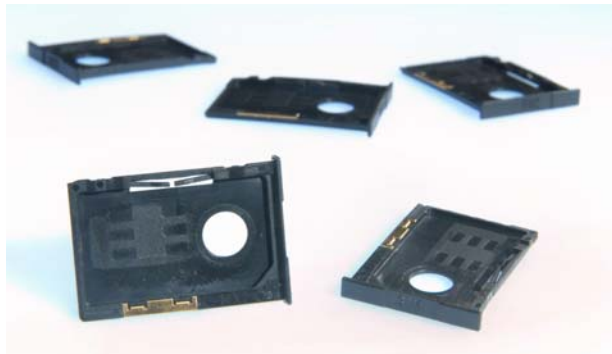


Figure 1 SIM card holder

**Molex** is a leading supplier of connection systems. With a portfolio of over 100,000 different products, it is one of the world's largest solution providers in the electronics industry. The key sectors where it operates include telecommunications, electrical components for automotive, industrial and household device applications and home entertainment. Since it was founded in 1938, Molex has continually expanded and is now a global company. This results in extremely high demands in terms of quality and the global availability of the materials used.

Items offered by Molex for use with cell phones include keypads, memory sticks and SIM card holders. SIM (Subscriber Identification Module)

**Material:** Pocan<sup>®</sup> B 4235

**Manufacturer:** Molex

**Industry:** Electrical/electronics

cards are security features and are also used to record charges and store numbers in cell phones. Although SIM cards have a standardized design and thus always remain the same, the fact that new cell phone designs are constantly appearing means that a great deal of flexibility is required when it comes to the design of card holders.

Molex provides a wide range of these holders using a plastic made by LANXESS – Pocan<sup>®</sup> B 4235.

This glass fiber-reinforced, flame-retardant PBT has an impressive combination of mechanical, rheological, electrical and flame-retardant properties. The product's wide processing window also allows non-stop production, even with different molded part geometries.

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Page 2 of 2, 15.01.2008, TI 2007-020 DE

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