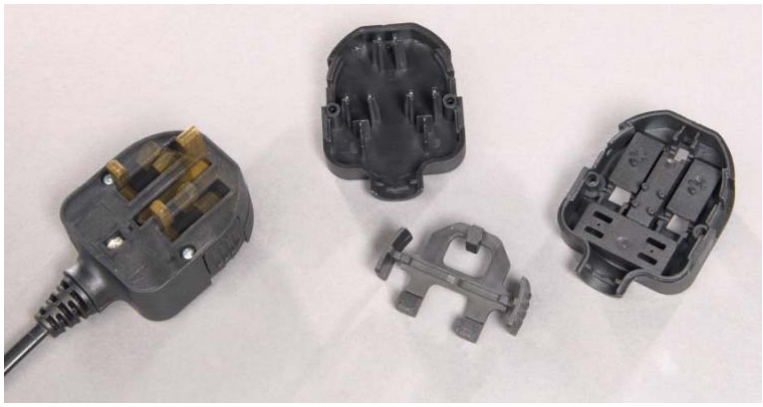
Case Study

Slimplug made of Pocan® S 7926



Picture 1 Slimplug

Material: Pocan® S 7926

Producer: Ridings ltd.

Ridings limited are a dynamic, young technology company. They are the inventor of the 'Slim Plug', an innovative product aimed at the laptop user. It is designed to save space when carrying a laptop and to reduce damage caused by exposed plug pins.

The Slimplug is a power lead with a revolutionary folding pin plug. A notebook's power supply is annoying to carry around, especially the three-pin square plug. To resolve this, the Slimplug's three prongs retract safely out of the way. It's easy to operate; just grab the two switches on the side, and extract or retract the prongs. In plug mode, it feels as tough as a standard plug. The Slimplug is slightly thicker than a standard plug.

It is a space saving device which will fit a number of electrical items that use a figure of eight connector. This makes it suitable for most laptops and camcorders, as well as PS2, Xbox and all sorts of other devices.

Ridings ltd. decided for Pocan S 7926 as raw material for the Slimplug.

Due to the fact that UL requirements needs to be fulfilled when plastic gets in contact with conducting parts they choose a flame retardant Pocan grade. Pocan S 7926 is an impact modified grade that reaches a UL 94 V-0 classification at a thickness of 1.6 mm and a GWIT (glow wire ignition temperature) of 700 °C.

Further properties are:

- high toughness and high strain values in conjunction with good stiffness
- high impact strength
- heat and aging resistance

More Information: Chris Ingle

Pocan® is a registered trade name of LANXESS Deutschland GmbH

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Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mold/die, the processing conditions and the coloring.

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