

Case Study

Pocan® S 7926 for plug connectors

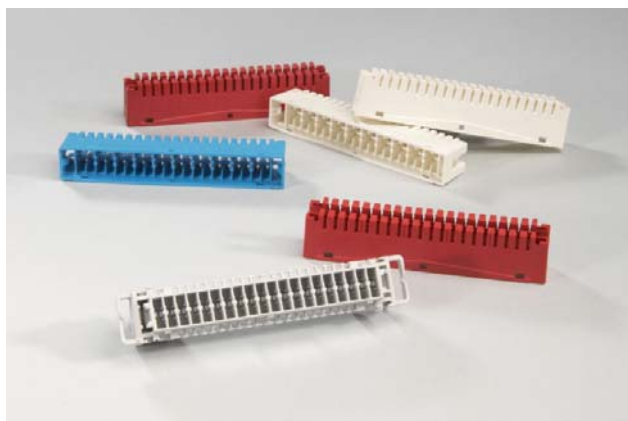


Fig. 1 Plug connector strips made from Pocan S 7926

ADC KRONE is a successful international systems supplier for telecommunications and data networks. Its most successful product ranges include the LSA Plus plug connector strips employing quick-action connection technology. LSA Plus ensures the greatest possible packing density in digital signal distributors. The cutting and clamping technology used in the strips enables connections between plastic-insulated wires without using solder, screws or insulation. The quick connection system makes installation fast and straightforward, ensures contact reliability over a period of several years and provides reliable functionality in telecommunications and data networks throughout the world.

The LSA Plus plug connector strips are made from Pocan S 7926. The properties of this PBT-based plastic make it ideal for plug connectors:

- mechanical properties
Elastomer-modified Pocan S 7926 exhibits good impact resistance while demonstrating high stiffness and excellent dimensional stability. Furthermore, the product is highly resistant to vibration.

Material: Pocan® S 7926
Molder: ADC KRONE
Industry: Electrical/Electronics

- chemical properties
Pocan S 7926 is resistant to cable greases and cleaning agents.
- electrical properties
No deformation was observed as a result of power surges when switched on. At a PLC rating of zero on the yellow card, the CTI value achieves the highest possible classification.
- flammability properties
Pocan S 7926 is classified as UL 94 V-0 at 1.5 mm. It achieves the highest possible GWFI value of 960 °C. A migration-free flame retardant component is used in the production of Pocan S 7926.

In practical applications, plug connectors made from Pocan S 7926 also function reliably over a very long period of exposure to fluctuating temperatures and climatic conditions. It meets all the required national and international standards.



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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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