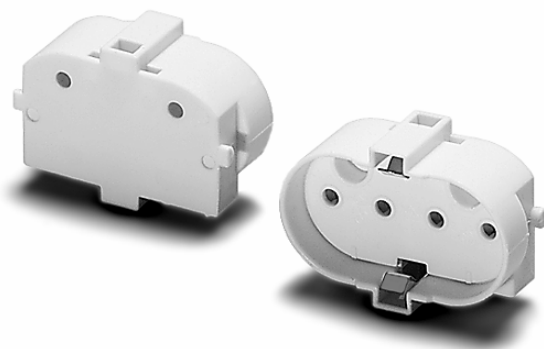


Case Study

Pocan® DP BFN 4230 for lamp holders complying with the domestic appliance standard



Material: Pocan® DP BFN 4230

Manufacturer: Vossloh-Schwabe

Industry: Electrical/Electronics

Vossloh-Schwabe is one of the world's leading manufacturers of electrical engineering and electronic components for lighting engineering. For many decades, the company has supplied a comprehensive range of high-quality, innovative products for use in a wide range of applications. These include electronic and electromagnetic ballasts, transformers, ignition devices, capacitors, lamp holders, and other lighting components, as well as LEDs and LED assemblies, wiring robots and test modules.

As a supplier of all-in product systems for the full range of state-of-the-art lighting technologies, Vossloh-Schwabe has now developed a solution for lamp holders that meets the requirements of the tightened IEC/EN 60335-1 domestic appliance standard. The extended IEC/EN 60335-1 domestic

appliance standard covers dangers of an electrical, mechanical and thermal nature, as well as the fire and radiation hazards associated with electrical appliances for domestic and similar use. Plastics used as supports for live components in unsupervised domestic appliances with a current intensity in excess of 0.2 amps are required to have a high glow wire ignition temperature (GWIT).

With Pocan® DP BFN 4230, LANXESS Deutschland GmbH supplies a flame retardant PBT that meets the requirement for a GWIT of at least 775 °C. This material property is also verified on the UL Yellow Card and the VDE certificate for electrical insulating materials. The material is additionally free from halogens and thus meets the requirements of a large number of customers.



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Trial Products (grade designations beginning with the codes DP, TP, KL or KU)

This is a Sales Product at the developmental stage (a Trial Product). For this reason, no assurances can be given as to type conformity, processability, long-term performance characteristics or other production or application parameters. No definitive statements can be made regarding the behavior of the product during processing or use. The purchaser/user uses the product entirely at his own risk. The marketing and continued supply of this material are not assured and may be discontinued at any time.

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