

Case Study

Pocan® B 4215 and B 4235 for lamp sockets



Figure 1 Lamp sockets made from Pocan® B 4215 and Pocan B 4235

BJB GmbH & Co KG is one of the leading manufacturers of lamp and starter sockets. Every year, BJB produces more than 500 million products for the lighting and household appliances industry. Currently, approximately 2,000 different products are manufactured by the company. Over more than 130 years, BJB has developed from a company producing paraffin lamps to a partner in the lighting and household appliance industry that is in demand throughout the world. Since the family company was founded in 1867, it has maintained its headquarters in Arnsberg, and all its subsidiary and sales companies maintain close contact with these head offices.

Depending on the usage profile, lamp sockets can be manufactured from metal, ceramics or plastic. The materials used must meet the highest requirements. Under the trade name Pocan®, LANXESS produces PBT-based polyesters, which meet these high quality requirements.

Material:	Pocan® B 4215, B 4235
Injection molder:	BJB GmbH & Co KG
Industry:	Electrical/Electronic

Pocan® B 4215 and Pocan® B 4235 are two glass fiber reinforced, flame-retardant materials that can be used in the manufacture of lamp sockets, and that meet all the preconditions for this application:

- high heat resistance, up to approx. 140 °C
- good electrical insulation properties
- high dielectric strength
- glow wire test (GWFI) at 960 °C
- UL94V-0 classification (wall thickness 1.5 mm)
- good rheological properties

Pocan® B 4215 and Pocan® B 4235 are registered in all colors, which mean that applications in black, white and color are possible.

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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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