

Case Study

Pocan[®] B 4235 for motor housings



Figure 1 Motor housing for a compact food processor made from Pocan[®] B 4235

With 43 factories in 14 countries, BSH [Bosch und Siemens Hausgeräte GmbH](#) is one of the world's leading manufacturers of household appliances. As the market leader in Germany and Western Europe, and no. 3 in the world, BSH aims to be the benchmark for the household appliance sector. The emphasis in the company's product range is on quality, design, innovation, benefit and value in use.

The overall development of the company and its activities are guided by a consistent policy of innovation and quality. A cornerstone of BSH's philosophy is to develop new and improved products that offer the consumer real added value in terms of performance, convenience and user-friendliness.

OEM: BSH Bosch und Siemens Hausgeräte GmbH

Material: Pocan[®] B 4235

Manufacturer: BSH Bosch und Siemens Hausgeräte GmbH, Slovenia

Industry: Household appliances

When it comes to choosing raw materials, BSH puts its trust in LANXESS Deutschland GmbH. The key component of the MK55 compact food processor, for example, is made of Pocan[®] B 4235. This flame retardant, glass fiber reinforced Pocan is particularly suitable for use in household and industrial electronics. It is rated Class F (up to 155 °C) in accordance with IEC 85, making it suitable for use at high continuous service temperatures. Pocan[®] B 4235 achieves a UL classification of V-0 at 1.5 mm. At a wall thickness of 3.0 mm it even attains a 5VA rating.

Pocan[®] also boasts impressive mechanical properties. Its high dimensional stability, stiffness and toughness satisfy the severe mechanical demands made on motors used in food processors.



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