

## Case Study

### Pocan® DP CF 2200 for Covers of Electrical Housings



**Material:** Pocan® DP CF 2200  
**OEM:** Siemens  
**Industry:** Electro/Electronic

When it comes to the material for housings and other parts of the SIMATIC, SINAMICS and SINUMERIC controllers, up to date over 180 different parts, i.e. over 180 tools, Siemens AG, Automation and Drives in Erlangen counts on a flame retardant impact modified PBT + PC from LANXESS.

This plastic has been custom-made for Siemens and the part suppliers. Based on the originally planned material, Pocan KU 2-7604, the modifications KU 2-7604 POS 061 (better flowability) and finally KU 2-7604 POS 068 (additionally easier to demold) have been developed. After the series release by Siemens, the latter has been renamed to Pocan DP CF 2200.

With this material, the given low dimensional tolerances can be realized. The material is quite durable. Its chemical resistance and flame retardancy are very important for Siemens. Pocan DP CF 2200 reaches with thin wall thicknesses the best classification according to UL 94 V-0.

Furthermore the outstanding impact strength fulfills high requirements. The tests of Izod ISO 180-1U and Charpy ISO 179-1eU show the impressive results "not broken". Other mechanical properties like tensile and flexural modulus are, compared to the original product, notably improved.

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This is a developmental product. Further information, including amended or supplementary data on hazards associated with its use, may be compiled in the future. For this reason no assurances are given as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at his own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damages, of whatever nature, arising out of such use. Commercialization and continued supply of this material are not assured. Its supply may be discontinued at any time.

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 mould/die, the processing conditions and the coloring.

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Lanxess Deutschland GmbH, Business Unit SCP

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Seite 2 von 2, Ausgabe 18.08.2006, TI 2006-017 DE

