

Case Study

External door handle for Jaguar X-type made from Durethan® DP BKV 60 H2.0 EF 900116



Material: Durethan® DP BKV 60 H2.0 EF 900116

Injection molder: Huf Hülsbeck & Fürst GmbH & Co. KG

OEM: Jaguar X-Type

Huf Hülsbeck & Fürst GmbH & Co. KG develops and manufactures competitive, high-quality products for the automotive industry worldwide, incorporating the very latest standards and technologies. Its core skills lie in die casting, injection molding, surface treatment, coating and assembly. With an average of 100,000 car keys and ID transmitters, 60,000 external door handles and 24,000 steering locks, Huf is one of the leading manufacturers in the sector. The company works closely with customers such as Jaguar when developing its products. The part illustrated above is a door handle for the Jaguar X-type.

Vehicle door handles, in the form of either hinged or pull handles, have to satisfy a wide range of requirements. Mechanical, electronic, safety and other features need to be taken into account during the manufacturing process.

Huf opted for the LANXESS plastic Durethan DP BKV 60 H2.0 EF 900116 for the coated door

handle for the Jaguar X-type. This 60 % glass fiber reinforced plastic from LANXESS ticks all the right boxes. The product combines a high glass fiber content with excellent mechanical properties (flexural strength 350 MPa, tensile modulus 20,000 MPa) and an impressive surface quality.

Further benefits of Durethan DP BKV 60 H2.0 EF 900116 include:

- outstanding coating and electroplating properties
- flowability corresponding to the 30 % GF general-purpose product
- excellent dimensional accuracy thanks to low shrinkage
- minimal distortion and high dimensional stability.

Durethan is a registered trade name of LANXESS Deutschland GmbH

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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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