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PRESS INFORMATION

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Grilon BG-50 S: Innovative premiere in automotive interiors

Materials from EMS-GRIVORY make realisation of exceptional components possible. Which is why the EJOT Schweiz AG chose superior Grilon BG-50 S for an innovative lever handle in automotive interiors.

The Swiss subsidiary of EJOT GmbH & Co KG, EJOT Schweiz AG, is making the first serial lever handles for steering column adjustment involving specific requirements for strength and surface quality, using the MuCell injection moulding technology (physical foaming). The objective of the project was to achieve serial manufacturing of a lever handle satisfying all technical requirements such as minimum abusive force levels in horizontal and vertical loading directions, maximum crash energy of a knee impact including a defined breaking line for fracture behaviour and a very aesthetic surface quality for all visible areas.

Higher performance thanks to Grilon BG-50 S

Thanks to use of Grilon BG-50 S, the necessary requirements were able to be satisfied very well. This material is a heat-stabilised PA6 injection-moulding grade with 50% glass fibre reinforcement. It is characterised by high stiffness, excellent surface quality, good flow behaviour and good processability. The material can also be used in MuCell processes, allowing further weight savings to be achieved and resulting in components with very low warpage.

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**Lever handle made of Grilon BG-50 S in
a MuCell process**



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