

powerRibs in Automotive: the benefits of using flax grid reinforcements in automotive large series interiors and race car body parts

Bcomp's innovative powerRibs, a flax grid reinforcement honing flax's full high performance potential, has much to offer to the automotive industry. Following the thermoplastic processing path, the powerRibs can be compression moulded with a wide range of base materials and can reduce the weight of interior parts by up to 40%. The stiffness, impact resistance and aesthetics can be further boosted by integrating decorative fabrics in the same moulding steps, while cutting the costs of traditional laminating of decorative covers. In the high performance racing world, the powerRibs can either reduce the weight of body parts, or increase their performance for equal weight, both at reduced costs. Combined to carbon fibre skins, maximum stiffness and impact resistance can be reached, while offering a safer material for drivers and tyres during crash scenarios. Full flax body parts, the architecture of choice for the new Electric GT Series, offer significant weight and environmental impact reduction.