FiberLean
Strength by Design

Case Study: MFC in Moulded Fibre

MFC added to the furnish

Lightweighting

The weight of a moulded fibre object can be reduced by ~30% with a 5-10% dose of MFC added to the furnish while maintaining properties and cycle time.

Porosity Reduction

Greater than 90% porosity reduction is possible with a 5-10% dose of MFC added to the furnish creating an ideal surface for application of barrier coatings.

Mechanical Property Improvement

Tensile strength and tensile stiffness of moulded fibre objects can be increased by over 30% with a 5-10% dose of MFC added to the furnish.

Internal Bond Strength

The internal bond strength is significantly improved when MFC is added to the furnish, improving the sealing strength for moulded fibre containers.

Improved Formation

Addition of MFC can stabilise the furnish, leading to an improvement in the formation of a moulded fibre object.

MFC production equipment recommendation: FiberLean G125

- Grinder footprint: 1.1 x 1.1 m
- Throughput 12 dry kg MFC/h
- Suitable for all chemical and most recycled pulps
- Food contact regulatory clearance

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