



DESIGN GUIDE

Molded Fiber Manufacturing Method Type 2

Design, Materials, Performance, and Sustainability

This design guide provides general technical information to be considered when designing a product to be produced on this method.

WHAT IS TYPE 2 MOLDED FIBER MANUFACTURING METHOD?

Type 2 method is designed to produce lighter-weight packaging products requiring cleaner surfaces and tighter detail than those created in the Type 1 manufacturing method. This method produces products that offer a strong balance of protection, manufacturability, and sustainability, making them well-suited for consumer & retail packaging and food service applications.

DESIGN & DIMENSIONAL TOLERANCE

Wall Thickness	0.08–0.2in (2–5mm)
Part Depth	0.5–6in (15–152mm)
Draft Angle	9–12°
Rib Width	0.08–0.2in (2–5mm)
Tolerance	±0.03in (±0.75mm)
Surface Finish	Smooth molding surface, semi-smooth back side



MATERIAL COMPOSITION

Raw Material: Cellulose Fiber

Typical Fiber Type: Recycled/ Reclaimed Fiber

Typical Additives: Sizing



PRODUCTION PROCESS & TOOLING

Forming Method: Wet Forming Mold & Wet Transfer (Dual Mold)

Tooling: Bronze, steel, aluminum, composite, or 3D printed

Mesh: Stainless steel wire or 3D printed

Cycle Time: 3–10 sec

**can differ based on machine type*



FUNCTIONAL PERFORMANCE

Structural Strength: Medium

Water Resistance: Medium (Chemistry in Slurry)

Nestability: Good

Fiber Weight Per Part: 0.5–16oz (14–454g)



IDEAL PRODUCT WEIGHT (RANGE)

3–50lbs (1.5–23kg)

**can be more for certain applications*