Custom Molded Pulp
Durable, Sustainable, Smart

Molded pulp is a packaging material made from recycled papers, typically used for protective packaging although most commonly identified with egg flats & fast food drink trays. Molded pulp by Great Northern is tailored to custom, industrial applications when larger, heavier, bulkier products require an effective, environmentally responsible packaging solution.

The Manufacturing Process:
Rollguard manufactures molded pulp from select grades of recovered paper, including corrugated and newspaper. When combined with water, a slurry of proper consistency is created. Custom designed tools, attached to a molding machine, are submerged into the slurry. Pulp is drawn onto the screen tools via a vacuum process, whereby the paper fibers accumulate to a desired thickness. Excess water is removed. The fibrous formed parts are then transferred to an oven where they are dried, packaged & prepared for shipment.

See backside for more information
Great Northern specializes in the manufacturing of Custom Molded Pulp:

- 3/16” - 5/16” wall thickness
- +/- ¼” dimensional tolerance
- Vacuum formed process, utilizing a single mold
- Finished surface moderately smooth, reverse side coarse
- Ideal for products that weigh 10 lbs or greater
- Lower-to-high volume, and palm-to-pallet size, capabilities

Applications:
An ideal replacement for EPS Foam/Foam products and an alternative for Die-Cue Corrugated and Honeycomb, molded pulp:

- Improves nesting/stacking to maximize pallet/trailer counts and limit the need for excess inventory/warehouse space
- Is environmentally friendly; made from recycled papers
- Has the benefit of inexpensive tooling
- Maintains long-term price stability
- Handles with ease & speed in production; parts are designed to “drop-and-go”

Custom Molded pulp is used for, but not limited to:

- Bottom/top trays, right/left end caps, edge/corner/side protection
- Appliances, automotive parts, batteries, compressors, motors, power equipment, pumps, tools
- Electrical & plumbing components, furniture, grills, hardware, kitchen/bath, lighting fixtures
- Containers, pallets, recreational products, tubs
- Non-packaging applications