



EPS Foam

Pros

- ✓ Common material
- ✓ Medium-low cost

Cons

- ✗ Low sustainability
- ✗ Material & space inefficient

Example Applications

- Packaging in cold chain
- Consumer goods



Molded Pulp

Pros

- ✓ Highly sustainable
- ✓ Low cost
- ✓ High cushioning performance

Cons

- ✗ Loose dimensional tolerancing
- ✗ Feature limitations
- ✗ Loose tolerances

Example Applications

- Premium electronics
- Wine bottle packaging
- Cosmetics



Folded Corrugated

Pros

- ✓ Highly sustainable
- ✓ Versatile
- ✓ Low cost material

Cons

- ✗ High fulfillment cost
- ✗ Medium-low cushioning performance

Example Applications

- eCommerce packaging
- Consumer goods



Suspension Packs

Pros

- ✓ Fits multiple product sizes
- ✓ Low cost
- ✓ Reusable

Cons

- ✗ Limited applications
- ✗ Imperfect capture
- ✗ Requires extra step for recyclability

Example Applications

- Return shipment packaging
- DIY shipping materials



Fabricated Foam

Pros

- ✓ Material efficient
- ✓ Versatile design options

Cons

- ✗ Low sustainability
- ✗ High fulfillment cost
- ✗ Space inefficient

Example Applications

- Consumer appliances
- DIY shipping materials



Thermoforming

Pros

- ✓ Low processing / tooling costs
- ✓ High recyclability

Cons

- ✗ Medium-low material resiliency
- ✗ Feature and wall thickness limitations

Example Applications

- Sterile packaging
- Industrial machinery components



Injection Molding

Pros

- ✓ Low labor cost
- ✓ Recyclable
- ✓ High dimensional accuracy

Cons

- ✗ High tooling / production cost
- ✗ Unique design restrictions

Example Applications

- Vials (liquids, powders)
- Medical devices



Rotational Molding

Pros

- ✓ Low cost tooling
- ✓ High durability

Cons

- ✗ High production / labor costs
- ✗ Short tooling lifespan

Example Applications

- Military standard containers
- Large plastic forms (drums, pales)