COMPARISON BETWEEN AIRBAGS AND PAPER

Airbags

One 440 m roll of film produces 2 cubic metres of void fill.

Cost per roll is the same for both.

Time to produce 1 cubic metre is **45 min**

Advantages

1. Light weight void fill
2. Re-usable
3. Good appearance
4. Small rolls are easy to store
5. Perforated for tearing off to length

Disadvantages

1. Slow speed means that airbags have to be transported to a holding silo. This increases cost and takes up a lot of space.
2. High material usage; the whole space within the box must be filled to prevent product movement.
3. Not versatile, not easy to mold and shape.
4. Can be punctured; if one bag deflates, the box becomes underfilled and goods do not stay in place.
5. Polythene material is not biodegradable.
6. Higher cost to meet recycling obligations (PRN's)

Paper packaging

One 225 m roll of paper produces 2 cubic metres of void fill

Time to produce 1 cubic metre is **7 min**

Advantages

1. Do not need to fill the whole space within the box (use blocking and bracing techniques). **This reduces the cost compared with total fill materials.**
2. High volume output.
3. Packaging material is produced exactly where needed in the right quantity, on demand.
4. Easy to handle and quicker for packer to use
5. Versatile; can be molded and shaped to fit goods of any size or shape
6. Offers good protection even for products with sharp edges or corners.
7. Produced from 100% recycled paper
8. Paper is recyclable and biodegradable.
9. Sometimes re-usable.

Disadvantages

Looses its shape if handled too much

PAPER BASED CUSHION PACKAGING

Customers are provided with a converting machine, which is loaded with a roll of material having two or three layers of paper. As this passes through the machine it is shaped and formed into a continuous cushion, which is cut off to the selected length.

Cushions are multicellular to resist impact forces and are readily moulded and formed to cocoon even the most awkwardly shaped object. They stay firmly in place and do not separate or migrate. Cushions are easy to handle, clean in use and offer excellent product protection. Stock material is produced from 100% recycled paper and the cushion is both recyclable and biodegradable. The material in roll form takes up minimum space prior to conversion to sixty times its original volume.

AIR BAGS

The Easyair machine is designed for fast continuous production of 100 x 200mm air filled pillows with an output of 3000 per hour.
These are ideal for void fill, for all types of products, being clean, strong, easy to handle, and having the lightest possible weight.
Easyair can also be integrated with the Easypack paper system for a perfect combination of resilience and void fill properties.
Lay-flat tubing is used to avoid edge sealing and pressurised air is supplied from an internal pump so that no external air is needed. Cushion fill can be adjusted from a low volume, giving a very flexible pillow to accommodate awkward shapes, up to the maximum 440 cc which produces firm cushions for filling large spaces.
Special attention has been paid to the heat sealing jaws which produce a reliable and leakproof high quality seal only 12mm wide. Each pillow is perforated to allow any quantity to be easily torn off.