



# Environmental Overview



## Paper grades

### Base Manufacture

Pulps are sourced from managed forests and are manufactured using solvent free processes. The majority of the effluent produced (approx 2.5 / 5.0ml/m<sup>2</sup> of laminate) is recycled back into the paper production process.

Process VOC emissions are below the limit required by legislation. Elemental chlorine is not used in the bleaching process. PCB and PCP levels are below the detection limits.

### Recyclability

Siliconised backing papers are recyclable if all labels and skeletons have been removed.

The face papers are more difficult to recycle due to the presence of adhesive and incineration with energy recovery is recommended.

The calorific value is approximately 65% that of coal.

In a landfill site, the paper will biodegrade but this cannot be expected of adhesives and silicones.

There is no evidence that this material is harmful to the environment.

## Polyester films

### Physical properties.

Polyester films (PET) have good stiffness with high dimensional and temperature stability. They are bi-axially orientated during manufacture which develops a very high tensile strength and are largely unaffected by the high fuser temperatures in laser printers.

They are relatively inert and as such have little effect on the environment during, or after, use.

### Recycling

Label Connections self adhesive films have special aqueous surface coatings designed to optimise their print performance in digital equipment and as such are not classed as PET for recycling purposes. They come under category 7 - other plastics.

As inert materials they can be buried in approved landfill sites.

However, the films can be safely incinerated and are therefore a potential source of energy.

### Flammable properties.

Polyester films will burn only if they remain in contact with a source of ignition. If the source is stationary the film will shrink away and self extinguish. Film remaining in contact with a flame can continue to burn slowly, dropping burning liquid which can spread the fire.

Irritating fumes may be produced at very high temperatures, which are only likely to be reached in major fire situations.

Recommended extinguishing media - water, foam, CO<sub>2</sub> & Dry Powder.

### Warranty:

Information and recommendations are based on our most up to date knowledge and experience. As the products are used outside our control we cannot take any responsibility for any damage which may be caused when using the product. The product information should be used as a guide only - please request samples for testing if unsure of any aspect of the application or print process compatibility.

This information sheet replaces all earlier ones. All information subject to change without notice.

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