



Total ID Limited

Office 4, Unit 1, Stephen Gray Road
Bromfield Industrial Estate
Mold, Flintshire CH7 1HE
Tel: 0800 588 4000
sales@totalid.co.uk
www.totalid.co.uk

Biodegradable PVC Cards

Biodegradability is a characteristic that some substances and organic materials have that allow them to degrade into more simple substances through a microorganism's enzyme activities. If this biological process is complete, there is a total conversion of the initial organic substances into simple inorganic molecules. However, for some materials, this process could require many years as is for plastics, the addition of additives significantly accelerates this course (process).

BIO-PVC is an innovative material of the latest generation that makes most of these principals. Small amounts of the additive are inserted during the manufacturing process. The additive breaks down the polymer's molecular chain, and at the end of the material's life cycle, the product will degrade. The additives are able to transform the polymer molecule notably, accelerating its decomposition. The process only occurs in favourable environments, such as composting, water or other elements must necessarily be present.

BIO-PVC offers a double advantage, its versatility and biodegradability, in addition, it guarantees excellent printing results, maintaining the same physical characteristics of PVC. BIO-PVC moreover has a low environmental impact, as CO2 emissions are inferior to the emissions associated with the production of traditional materials used in manufacturing plastic cards. In addition, its production requires a lower energy consumption and an inferior use of raw materials.

BIO-CARDS are also now available in a transparent finish to create uniquely impacting cards. Adaptable to all applications, it is ideal for companies that are particularly sensitive to green and ecological efforts.



ID Card Printers



ID Printer Ribbons



Lanyards



ID Accessories



Printed & Personalised Cards



Access Control Cards