



SDA Film

SDA Film is an oxo-biodegradable plastic film that breaks down completely at the end of its programmed service life. Typical service life for this product is 18 months, but longer or shorter lifetimes are possible. The technology is based on the proven d2w™ oxo-biodegradable additive which is added to conventional polyolefin plastics at the extrusion stage. Oxo-biodegradable plastics degrades through a two step process; oxidative breakdown followed by microbial biodegradation. The rate of degradation will depend on the specific environment (both in-service and disposal) that the product is subjected to, but by varying the composition of the d2w™ additive it is possible to engineer a service life for the product.

The d2w™ technology has been tested by several independent European test organisations to demonstrate its properties and integrity. Further information is available upon request.

How does it work?

Oxidative degradation of SDA Film in the presence of heat and or light will cause a breakdown of the molecular backbone of the polyethylene film. This results in the molecular chains becoming shorter and the film fragmenting. The film will also become more hydrophilic as a result of this process. It is this compositional change that allows for the formation of an active bio-film on the film surface allowing microbial activity to complete the breakdown of the film to negligible amounts of carbon dioxide, water and a residual biomass.

The inclusion of the d2w™ oxo-biodegradable additive does not affect the desirable properties of the film. SDA Film is a strong and durable material, ideal for a wide variety of applications. SDA Film converts into a wide range of applications, providing seamless changeovers and high-productivity. In addition SDA Film has excellent printing characteristics, either pre-printing or over-printing.

Genuine Autobag® 'bags-on-a-roll', SidePouch® 'bags-in-a-box' and AirPouch® air pillow applications are system-matched and guaranteed to run on all Automated Packaging Systems equipment.

Storage of SDA Film

In order to maximise the life of SDA Film, prior to it being in the end user environment, the film should be stored in a cool/shaded environment. Exposure to the open air or hot, sunny places should be avoided as this can reduce the shelf life of the film.

SDA Film Benefits

- Easily converted and processed
- Wide range of applications
- No alteration to existing packaging machinery
- Excellent clarity compared to other Bio and Compostable films
- Identical strength properties (lateral and transverse) to standard film
- Excellent puncture resistance

Typical Applications

- Automotive & Aerospace
- Medical
- Food
- Cosmetics
- Hardware
- Retail
- Pharmaceutical
- Plumbing
- Electrical & Electronic
- Frozen & Chilled environments

Technical Specifications

Press Printing: Yes
Imprinting: Yes
Trim Seal: Yes
Thickness: 35µ - 100µ
Configuration: Autobag, SidePouch and AirPouch
Full Test Results Pending.



00095687 007

Automated Packaging Systems Ltd.
 Enigma Business Park
 Sandy's Road, Malvern
 Worcestershire WR14 1JJ
 Tel: +44 (0) 1684 891 400
 Fax: +44 (0) 1684 891 401
 E-mail: contact@autobag.co.uk

Visit or call us at
www.autobag.co.uk
 0800 731 3643