

SuperClear



AMERICAN PROFOL'S BIODEGRADABLE TECHNOLOGY

The only condition that is necessary for American Profol's Biodegradable SuperClear to biodegrade is that it needs to be in constant contact with other biodegrading material. The film does not require heat, light, or physical stress and therefore it will not start breaking down before it is supposed to. The proprietary technology used in American Profol's film facilitates the organization of microorganisms that, over time, breakdown and consume the long polymer chains.

- Biodegrades aerobically (presence of oxygen) to produce carbon dioxide and water
- Biodegrades anaerobically (no oxygen - landfill) to produce carbon dioxide and methane gas
- Colored films breakdown to their original mineral or organic (pigments) state

Biodegradable SuperClear is a smooth optically clear cast polypropylene film engineered to have superior shelf life compared to other degradable products and be fully biodegradable in a landfill environment. Biodegradable SuperClear has superior dimensional stability and excellent lay-flat characteristics which allow the film to feed quickly and reliably through sealing machinery, sheeters, and printing presses.

APPLICATIONS:

- T-shirt bags
- Food packaging
- Overlaminates
- Floral wraps

ADVANTAGES:

- Clear or colored film products are fully biodegradable
- No toxic residue
- No appreciable change in physical properties
- FDA compliant for use in applications with food contact
- Products can be marketed as "biodegradable" because they will biodegrade aerobically or anaerobically and without the need for additional heat, light or physical stress and therefore will biodegrade wherever there is other biodegradation occurring
- Easy to weld and seal either thermally or ultrasonically
- Easy to print using a variety of printing methods like offset litho, screen, and flexography
- Acid free- contains no PVC



MANUFACTURING CAPABILITIES:

- Clear film is standard
- Custom colors are available upon request
- In-line corona treatment
- Thickness range: 1 mil to 5.5 mil thick
- Standard web widths: 56" - 83"
- OD up to 30"
- In-line slitting to custom roll widths
- FDA compliant grades available

The statements, technical information, and recommendations contained herein are presented in good faith based upon tests believed to be reliable and/or practical experience. The reader is cautioned that Profol cannot guarantee the accuracy or completeness of the information, and it is the customer's sole responsibility to determine the suitability of Profol's products in any given application.

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