

Biodegradability & MP Global's Thermal Packaging Products

MP Global's Cotton Insulation lining:

The proprietary insulation padding used in all MP Global Thermal Packaging Products is produced using a selected blend of refined recycled cotton enhanced fibers. This 's nonwoven cotton enhanced insulation material is tested to be completely aerobic and anaerobically biodegradable in less than one year when in the presence of active microorganisms as verified by ASTM D-6400 biodegradation testing. Nonwoven cotton enhanced insulation fibers are considered compostable and comply with current FTC's "Green guidelines".

MP Global's protective poly film:

The inner and outer protective films used in the manufacturing of MP Global's thermal packaging products are produced utilizing a one percent minimum load by weight of ECM's MasterBatch Pellets^R. This additive combined with selected proprietary plastic resins, promotes and accelerates degradation in all MP Global's plastic film while still maintaining our desired physical characteristics. ASTM- 5511, D-5209, D-5338 and ISO-14855 test results for aerobic and anaerobic biodegradation indicate continuous degradation of the film occurs in greater than one year in a landfill environment, dependent upon conditions, and while continually in the presence of active microorganisms. Poly is considered non-compostable as described by the 2013 FTC green guidelines*.

*Notice:

New 2013 Federal Trade Commission (FTC) guidelines prescribe some specific attributes pertaining to Biodegradability.

- For a company to say a product is biodegradable, it must "completely break down and return to nature within one year".

- Any claims of biodegradability must be backed by valid testing data: "environmental claims can only be made if the terms used are verified by an existing ASTM standard specification."

January 1, 2013 – the State of California became the first state to officially adopted the New FTC Green Guideline by passing into law AB 1972 to prohibit the use of nebulous, unsubstantiated, or false environmental claims including "biodegradable" in plastic.