



January 2025

UVI STATEMENT

Ultraviolet light, oxygen, and heat all will degrade polyolefin and cause brittleness, color change, and product failure. However, there are additives called UVI (ultraviolet inhibitors) that trap the free radicals which form during the photo-oxidation process thus retarding the breakdown of the polyolefin. WP Innova does use UVI in certain films to extend the outdoor life of the product.

The number of wraps, film thickness, humidity, sun intensity, pre-stretch level, chemical exposure, pollution, and storage conditions are just a few of the many variables that will affect the life UV inhibited plastic wrap. WP Innova cannot control these variables and therefore cannot guarantee the useful life of this film. However, the UV products have been engineered using an instrument that attempts to duplicate nature and accelerate the weathering process. By doing this, a correlation is drawn between film life and exposure to UV light. The industry standard is presently a retained elongation of 50% after 1600 hours in the accelerated weathering tester, and this film conforms to this standard. As a reference, 2000 hours is generally accepted as one year in the Southern Florida sun. It should also be noted that the test is performed with un-stretched 80 Gauge film under laboratory conditions and will vary depending on the variables mentioned earlier. WP Innova recommends and requires a minimum thickness of 80 gauge and a maximum stretch level of 150% for optimum protection.

Please contact your sales representative if you have additional questions.

Viktor Kim

Quality Assurance Manager

A handwritten signature in blue ink, appearing to read 'VK', is placed below the name and title.

CC: Brian Fraser – General Manager

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