

LAYER UPON LAYER OF PROTECTION



As with most products, there are differences in the types of silage stretch film available and accordingly in the levels of protection they afford silage bales. Back in the early days of balewrapping silage stretchfilm was manufactured as a single layer film before moving on, as manufacturing equipment evolved to offer 3-layer film options.

The relentless march of technology had now led to the development of **5 layer film** and bpi has been at the forefront of this technical innovation.

Why is this advanced film technology important to baled silage production? Why should a farmer or contractor choose a **5 Layer Technology** film over a traditional film? What difference does it make to the ensilaged crop?

The short answer is that **5 Layer Technology** provides a highly effective, high performing **5 layer film** structure that:

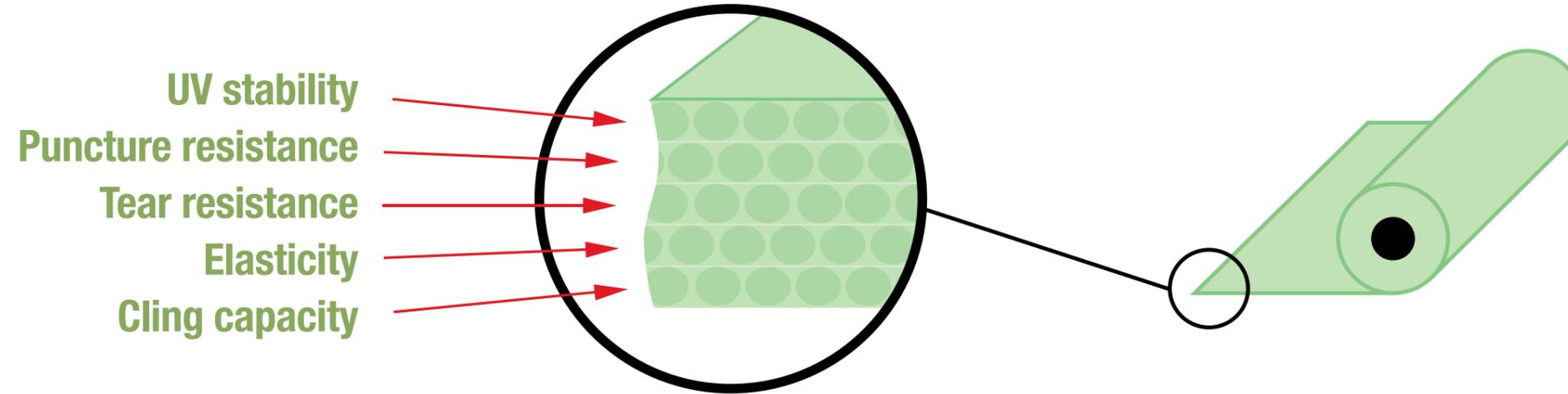
- creates an enhanced oxygen barrier with greater resistance to oxygen ingress
- is better placed to withstand the tough, stemmy, forage crops often selected for ensiling
- is robust enough to withstand the rigorous handling delivered by modern, complex wrapping machinery

A balewrap that encapsulates all of these features helps to ensure the production of high quality winter forage that stimulates intake and leads to increased meat or milk yields in the herd.

To the naked eye one film appears the same as the next? Not necessarily so. With **5 Layer Technology** all the mechanical aspects of a balewrap are maximised resulting in a consistently reliable, high quality balewrap.

In order to provide the ideal ensiling environment silage stretchfilm needs to offer a number of important elements such as strength, puncture and tear resistance, elasticity, UV stability and the ability to cling in all circumstances. If just one of these features is missing a film will not perform effectively.

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Using skill and expertise developed over three decades bpi ensures that each reel of **5 Layer Technology** film it produces contains all of these key features in a manner which optimises their individual contribution to provide the best collective performance.

Our **5 layer technology** manufacturing processes enable us to control the placement of specific raw materials within the blend, directing them to that part of the film where they are most required. So, superior UV stabilizers are placed on the outer surface of the film to face the weather; a bespoke tack on the inside face to guarantee a perfect seal between layers in both cold and warm temperatures (whilst leaving no adhesive residue on the pre stretch rollers) and the mechanical strength, tear and puncture resistance elements form the nucleus of the film.

The result is a highly effective **5 Layer Technology** film that delivers even stretch, effective sealing and higher bale throughput whilst generating the aerobic conditions necessary for perfect silage fermentation.

Knowing the importance of understanding how, when and where our products are used, bpi has developed 5 Layer Technology films for use in both high UV and low UV regions, on all types of balewrapping equipment and suitable for both day and night time wrapping.

Manufactured to ISO 9001, ISO 14001 and ISO 18001, the exceptional quality of our **5 Layer Technology** film is attributable to our unique system of continuous measurement and adjustment of both our manufacturing processes and the film parameters during production.





- **A superior, high performing stretchfilm**
- **Greater resistance to oxygen ingress**
- **Withstands the rigours of high speed wrappers**
- **Better placed to handle tough, stemmy crops**
- **Suitable for day and night time wrapping**

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www.makingbestsilage.com.