



## ***Points on the advantages/benefits of Plastar and Fieldpak Plastar Premium Dry Grain Bags.***

- The Plastar Group was founded in 1983, as the successor to major plastic companies that had operated in Argentina since 1955. Plastar Group still remains in the hands of the founding family, having already involved the third generation in its management.
- Specialized in the production of polyethylene films, Plastar consists of four industrial facilities Plastar Buenos Aires, Plastar San Juan, Starplast Mexico and Plastar San Luis (Grain Bags and films for agricultural and industrial uses).
- The Group's overall production capacity exceeds 60,000 tons per year. Plastar produces around **120.000** grain and silage bags per year.
- Plastar use innovative raw materials, supplied by leading companies with a proven track record in the international market, allowing manufacture of films that have highly versatile physical properties and to design products to meet specific requirements and properties (e.g. DOW CHEMICAL).
- Plastar have been producing polyethylene films for agriculture and industrial purposes using the blown process since 1983. They are leaders in the segment of films for agricultural use due to their diversity, quality and production volume.
- Plastar apply a Quality Management System to their operations in accordance with the ISO 9001:2000 standard. Also to ensure premium quality products they implement techniques such as the Statistical Process Control (SPC) and the Statistical Quality Control (SQC) and use state-of-the-art technology and equipment.
- Plastar grain bags are manufactured from polyethylene through a three-layer co-extrusion process, each layer with different and specific properties. These layers are melted, thus producing a single uniform film, inseparable and with great resistance. The polyethylene is 100% virgin resin, provided by DOW CHEMICAL, to ensure quality and consistency throughout the film. Additives such as titanium dioxide and UV stabilizers are added to the white (external) layer and a high concentration of carbon black is added to the black (internal) layer. This process provides the following important properties:
  - Mechanical resistance: e.g. Perforation resistance
  - Thermal resistance
  - Good stretching
  - Internal temperature stability
  - Impermeability
  - Reflection of solar rays
  - Filtration of ultraviolet rays



- Durability
  - Flexibility
  - Softness
  - Internal opacity to block out the sunlight.
- Premium Grain Bags are especially designed to store dry grains (Plastar specifically manufacture different bags for forage, wet grain etc). Their innovative formula offers greater resistance to both internal and external loads.

### Summary

- Plastar are one of, if not, the biggest manufacturers of grain bags in the world, and export to more than 40 countries.
- Have been making ***elastic tubes for agriculture for around 20 years*** and are one of the pioneers of the industry/concept.
- Proven track record internationally, and more importantly here in the Australian climate - 7 plus years.
  - Argentina being in the southern hemisphere has a similar climate to Australia especially in regard to summer UV levels and temperatures.
- Premium Grain Bags comprise of a 3 layer co-extruded seamless construction, which provides the following properties: high mechanical resistance to punctures, elasticity, allows the creation of an oxygen-limited environment and opacity that blocks out the sunlight.
- Treated for UV protection.
- Average 250-micron thickness.
- Quality Certification Standards ISO 9001:2000
- 18-month warranty on manufacturing faults.

For further information please contact Seed and Forage Bags below or refer to the following websites [www.seedforagebags.com.au](http://www.seedforagebags.com.au) or [www.plastargroup.com](http://www.plastargroup.com)

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